











MAJOR GENERAL HARDWICKE.

F.R.S. F.R.A.S. F.L.S. F.Z.S.

&c. &c. &c.

From a Portrait by J. Lucas.

Lithographed by Louis Haghe.

Published by Treuttel, Wurtz, & Co. Sack Square. Pichay & Allen, Leadenhall St. June 1851.

Day & Haghe Litho to the King 17, Gate Street.

ILLUSTRATIONS
OF
INDIAN ZOOLOGY;

CHIEFLY SELECTED FROM THE COLLECTION

OF
MAJOR-GENERAL HARDWICKE, F.R.S.,

L.S., M.R.A.S., M.R.I.A., &c., &c.

BY
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MEMBER OF THE NATURAL HISTORY SOCIETY OF PARIS, AND OF THE IMPERIAL SOCIETY OF THE OBSERVERS OF
NATURE AT MOSCOW, AND OF THE NATURAL HISTORY SOCIETY OF NEWCASTLE-UPON-TYNE, &c. &c.

VOL. I.

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MDCCCXXX---MDCCCXXXII.

TO THE
HONOURABLE COURT OF DIRECTORS

OF THE

Honourable East India Company,

THIS COLLECTION OF PLATES

OF THE HITHERTO UNFIGURED INDIAN ANIMALS,

IS

WITH THEIR PERMISSION RESPECTFULLY DEDICATED,

BY THEIR GRATEFUL AND OBEDIENT SERVANT,

BRITISH MUSEUM,
MAY, 1832.

THE EDITOR.

DIRECTIONS FOR ARRANGING THE PLATES,

OF THE

NUMBERS I. to X.

MAMMALIA.

1. Murine Dysopes. *Dysopes Murinus*, Gray.
2. Beautiful Cat. *Felis ornata*, Gray.
3. Allied Cat. *Felis affinis*, Gray.
4. Bengal Civet. *Viverra Bengalensis*, Gray.
5. Brown long nosed Civet. *Viverra? fusca*, Gray.
6. Collared Civet Bear. *Mydaus collaris*, Gray.
7. Skull and Head of the same, of natural size.

8. Collared Hedge Hog. *Erinaceus collaris*, Gray.
9. Musk Shrew. *Sorex myosurus*, Pallas.
10. Indian Gerboa Rat. *Gerbillus Indicus*, Desm.
11. Indian Field Mouse. *Arvicola Indica*, Gray.
12. Indian Antelope. *Antilope cervicapra*, Lin.
13. Head and Horn of the same, of natural size.

BIRDS.

Raptorial.

14. White-backed Vulture. *Vultur leuconota*, Gray.
15. Fig. 1. Bengal Vulture. *Vultur Bengalensis*, Lath.
Fig. 2. Pondicherry Vulture. *Vultur Pondicherianus*, Lath.
Fig. 3. Mask Vulture. *Vultur monachus*, Lath.
16. White Dotted Eagle. *Aquila punctata*, Gray.
17. White-banded Eagle. *Aquila bifasciata*, Gray.
18. Lined Fishing Eagle. *Haliastur lineatus*, Gray. Inhab. China.
19. Plain Fishing Eagle. *Haliastur unicolor*, Gray. Inhab. China.
20. Coromandel Owl. *Strix Coromandra*, Lath. Inhab. Coromandel.
21. Chinese Owl. *Strix Chinensis*, Lath. Inhab. Himalaya Mountains.

Perching.

22. Almorah Jay. *Garrulus Vigorsii*, Gray.
23. Fig. 1. Gular Jay. *Garrulus gularis*, Gray.
Fig. 2. Beautiful Jay. *Garrulus ornatus*, Gray.
24. Hunting Crow. *Kitta venatorius*, Gray.
25. Rufous Magpie. *Pica Vagabunda*, Wayler.
26. Chinese Magpie. *Pica Sinensis*, Wayler.
27. Small Paradise Bird. *Paradisea minor*, Lath.
28. Sirkeer Cuckoo. *Centropus Sirkee*, Gray.
29. Fig. 1. Almorah Woodpecker. *Picus dimidiatus*, Temm.
Fig. 2. Rufous Indian Woodpecker. *Picus rufus*, Lath.
30. Fig. 1. Crimson Woodpecker. *Picus mineatus*, Vorst.
Fig. 2. Indian three-toed Woodpecker. *Picus Tiga*, Horsf.
Fig. 3. A head of Female.
31. Fig. 1. Nepaul Woodpecker. *Picus Nepaulensis*, Gray.
Fig. 2. Moustache Woodpecker. *Picus barbatus*, Gray.
32. Lesser spotted Woodpecker. *Picus Macei*, Temm.
33. Fig. 1. Brown Woodpecker, Lath. *Picus Molluccensis*, Lath.
Male and Female.
Fig. 2. Mahratta Woodpecker. *Picus Mahrattensis*, Lath. Male and female.
34. Fig. 1. Indian Goat Sucker. *Caprimulgus Indicus*, Lath.
Fig. 2. Bombay Goat Sucker. *Caprimulgus Asiaticus*, Lath.
35. Fig. 1. Balastian Swift. *Cypselus palmarum*, Gray. Male, female, nest and young.
Fig. 2. Allied Swift. *Cypselus affinis*, Gray.
Fig. 3. Chinese Martin, Lath. *Hirundo Chinensis*, Gray.

Gallinaceous.

36. Argus Pheasant, Hen. *Argus Pavoninus*, Temm.
37. Hardwicke's Polyplectron. *Polyplectron Hardwickii*, Gray.
38. Lineated Peacock Pheasant. *Polyplectron lineatum*, Gray. Female.
39. Reeve's Pheasant. *Phasianus Reevesii*, Gray.
40. Pucras Pheasant. *Phasianus Pucrasia*, Gray.

Gallinaceous.

41. Nepaul Pheasant, Lath. *Phasianus Hamiltonii*, Gray.
42. Purple Pheasant. *Phasianus purpureus*, Gray.
43. Fig. 1. Javan Hen. *Gallus furcatus*, Temm.
Fig. 2. Lord Stanley's Hen. *Gallus Stanleyi*, Gray.
Fig. 3. Banks's Hen. *Gallus Bankiva*, Temm.
44. Malabar Cock, Lath. Hist. *Gallus giganteus*, Temm.
45. Malabar Hen. *Gallus giganteus*, Temm.
46. Black head Horned Pheasant. *Satyra melanocephalus*, Gray.
47. Black headed Pheasant. *Phasianus? melanocephalus*, Gray.
Young Male of former.
48. Black headed Pheasant. *Phasianus? melanocephalus*, Gray.
Female.
49. Pennant's Horned Pheasant. *Satyra Pennantii*, Gray.
50. Chinese Horned Pheasant. *Satyra Temminckii*, Gray.
51. Bengal Horned Pheasant. *Satyra Lathamii*, Gray.
52. Curria Partridge, Lath. *Perdix Hardwickii*, Gray.
53. Fig. 1. Concentric Francolin. *Perdix concentrica*, Gray.
Fig. 2. Javan Peacock, (Head.) *Pavo muticus*, Linn.
54. Chukar Partridge. *Perdix chukar*, Gray.
55. Fig. 1. Hepburn's Francolin. *Perdix Hepburni*, Gray.
Fig. 2. ————— Pale variety.
56. Fig. 1. Wood Partridge. *Perdix gularis*, Temm.
Fig. 2. Oriental Partridge, Lath. Hist. *Perdix orientalis*, Gray.
57. Olive Partridge, Lath. *Perdix olivacea*, Gray.
58. Eyed Partridge. *Perdix ocella*, Temm.

Wading.

59. Edward's Bustard. *Otis Edwardsii*, Gray.
60. Marbled Bustard. *Otis marmorata*, Gray.
61. Delicious Bustard. *Otis deliciosa*, Gray.
62. —————, Female. *Otis deliciosa*.
63. Spur Winged Plover, Lath. Male and female. *Charadrius ventralis*, Wagler
64. Sataar Jabirn. *Mycteria Australis*. Inhab.
65. Indian white Heron. *Ardea orientalis*, Gray.
66. Fig. 1. Cinnamon Heron. *Ardea cinnamomea*, Lath.
Fig. 2. Yellow necked Heron. *Ardea flavicollis*, Wagler.

Web-footed.

67. Spotted Billed Duck. *Anas poecillorhyncha*, Lath.
68. Girra Teal. Male and female. *Anas girra*, Gray.
69. Fig. 1. Waved Tern, Lath. Hist. *Sterna brevirostris*, Gray.
Fig. 2. Orange Billed Tern. *Sterna aurantia*, Gray.
70. Fig. 1. Javan Tern. *Sterna Javanica*, Horsf.
Fig. 2. Allied Tern. *Sterna similis*, Gray.
Fig. 3. Brown Bellied Tern. *Sterna acuticauda*, Gray. Male.
71. Javan Cormorant. *Carbo Javanica*, Horsf.

REPTILES.

- | | |
|---|--|
| <p>72. Eaved Terrapin. <i>Emys tectum</i>, Bell, MSS.</p> <p>73. Thugi Terrapin. <i>Emys Thugi</i>, Gray.</p> <p>74. Kachuga Terrapin. <i>Emys Kachuga</i>, Gray.</p> <p>75. Baska Terrapin. <i>Emys Baska</i>, Gray.</p> <p>76. Fig. 1. Spotted Terrapin. <i>Emys Hamiltonii</i>, Gray.
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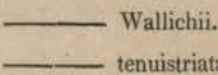
AMPHIBIA.

- | | |
|---|---|
| <p>82. Fig. 1. Spotted Tree Frog. <i>Hyla maculata</i>, Gray.
Fig. 2. Bengal Frog. <i>Rana Bengalensis</i>, Daud.</p> | <p>83. Fig. 1. Keeled Nosed Toad. <i>Bufo carinatus</i>, Gray.
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FISH.

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| <p>84. Fig. 1. Coach Whip Sisor. <i>Sisor Rabdophorus</i>, Ham.
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Fig. 2. Smooth-headed Tetraodon. <i>Tetraodon leiopleura</i>, Gray.
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|---|--|

FOSSILS.

100. Fig. 1. Ammonites Nepaulensis.

 ————— Wallichii.
 ————— tenuistriata.

NOTE.—The lineated Pheasant, Latham, on Tab. 40, should be *Nepaul Pheasant*, Lath. Hist. *Emys guttata*, Tab. 75, should be *Emys Hamiltonii*.

In some copies a few of the names on the Plates are incorrectly printed, but these are corrected in this List, as in t. 25, t. 26, t. 29, f. 2.; t. 39, t. 57, t. 68, f. 1; t. 88, and t. 90.



W. B. Hawkins del.

DYSOPES MURINUS MURINE DYSOPES.
Bengal.

Published 1828 by Parkes, Allen & Co. Londonhall Street.
Printed by W. Day at Gate St.



FELIS ORNATA-Gray
BEAUTIFUL CAT.

London: Published by Parbury and Allen, May 1st 1829
Printed by Engelmann & Co.



FELIS AFFINIS-Gray
ALLIED CAT.

*London Published by Parbury & Allen May 1st 1829
Printed by Engelmann & Co.*



1/2 Nat. Size

BENGAL CIVET, *n. VIVERRA BENGALENSIS*.
Most Part of Bengal.

*Published by Barbary Allen & Co. Ludlowhall Street.
Engraved by W. Day*



D. W. Henslow del.

VIVERA FUSCA. - GRAY
BROWN LONG NOSED CIVET.

London, Published by Forbury & Allen, May 1st 1829.

Printed by Englewood & Co.



MYDAUS COLLARIS Gray. COLLARED CIVET BEAR.
India. Bali Saur, of the Hindoos.

Painted 1829 by *Frederick Allen & Co. London*
Printed by W. Day.

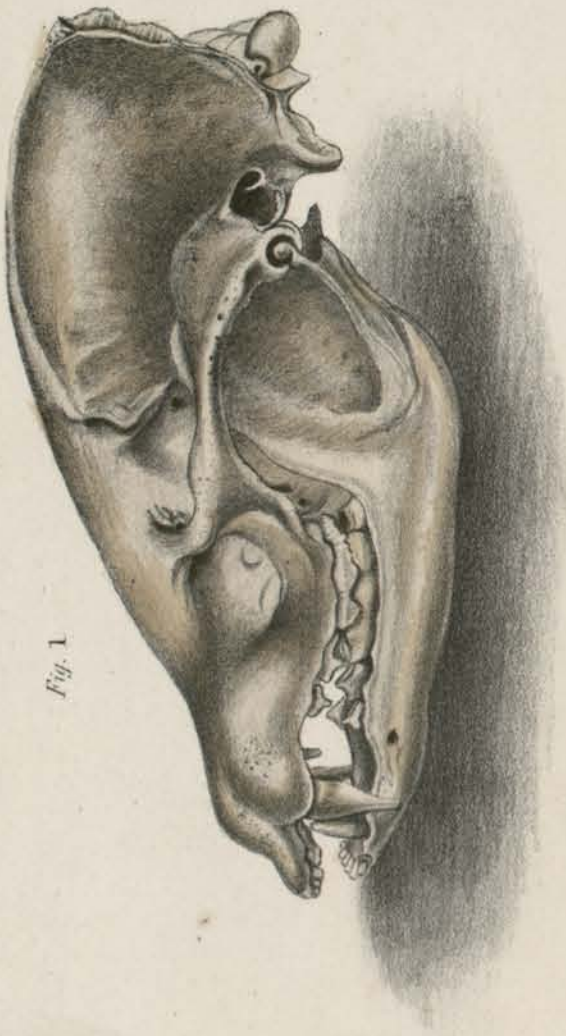


Fig. 1.

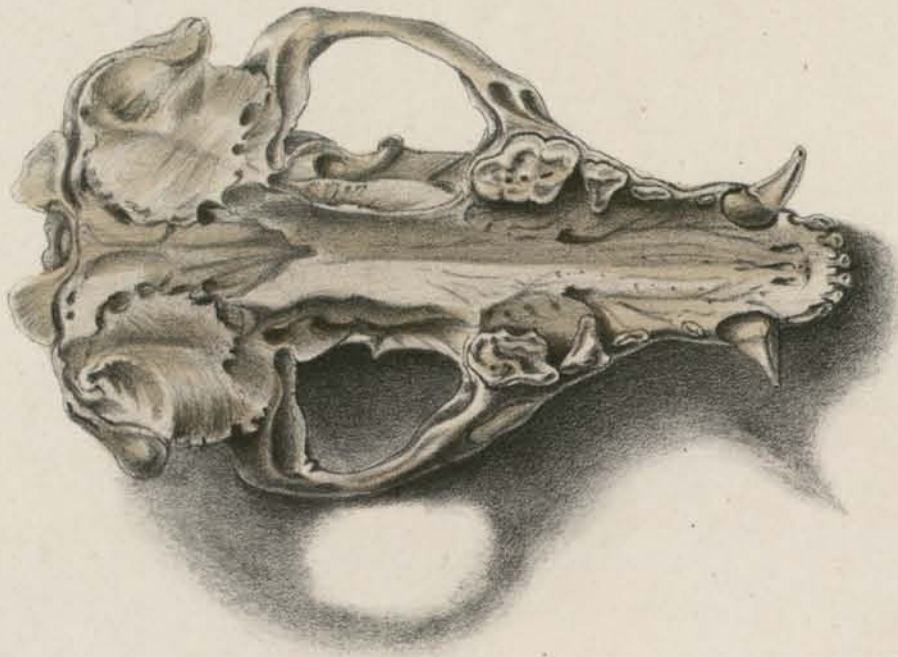


Fig. 2.

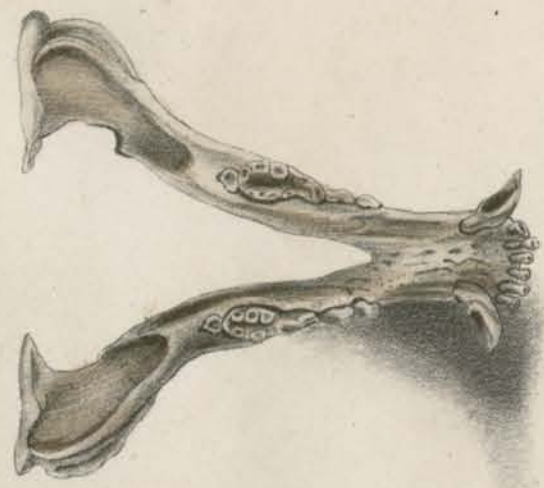


Fig. 3.



Fig. 4.

MYDAUS COLLARIS.—Gray
COLLARED CIVET BEAR.

$\frac{3}{4}$ Nat. Size.

Published by F. & J. W. Allen, London. May 1st 1829.
Printed by Longman & Co.



B.W. Hawkins Lithog.

ERINACEUS COLLARIS. COLLARED HEDGE HOG.
Doab.

Published 429 by Harbory, Allen, & Co. Leadenhall Street.
Printed by W. Day, 17, Gate St.



E. W. Horsfield del.

SOREX MYOSURUS. - Pallas. MUSK SHREW.
BENGAL.

Printed by Longman & Co.

Published June 1. 1824. By F. & J. W. Allen, & Co. Stationers Street, London.



B. W. Hawkins lithog.

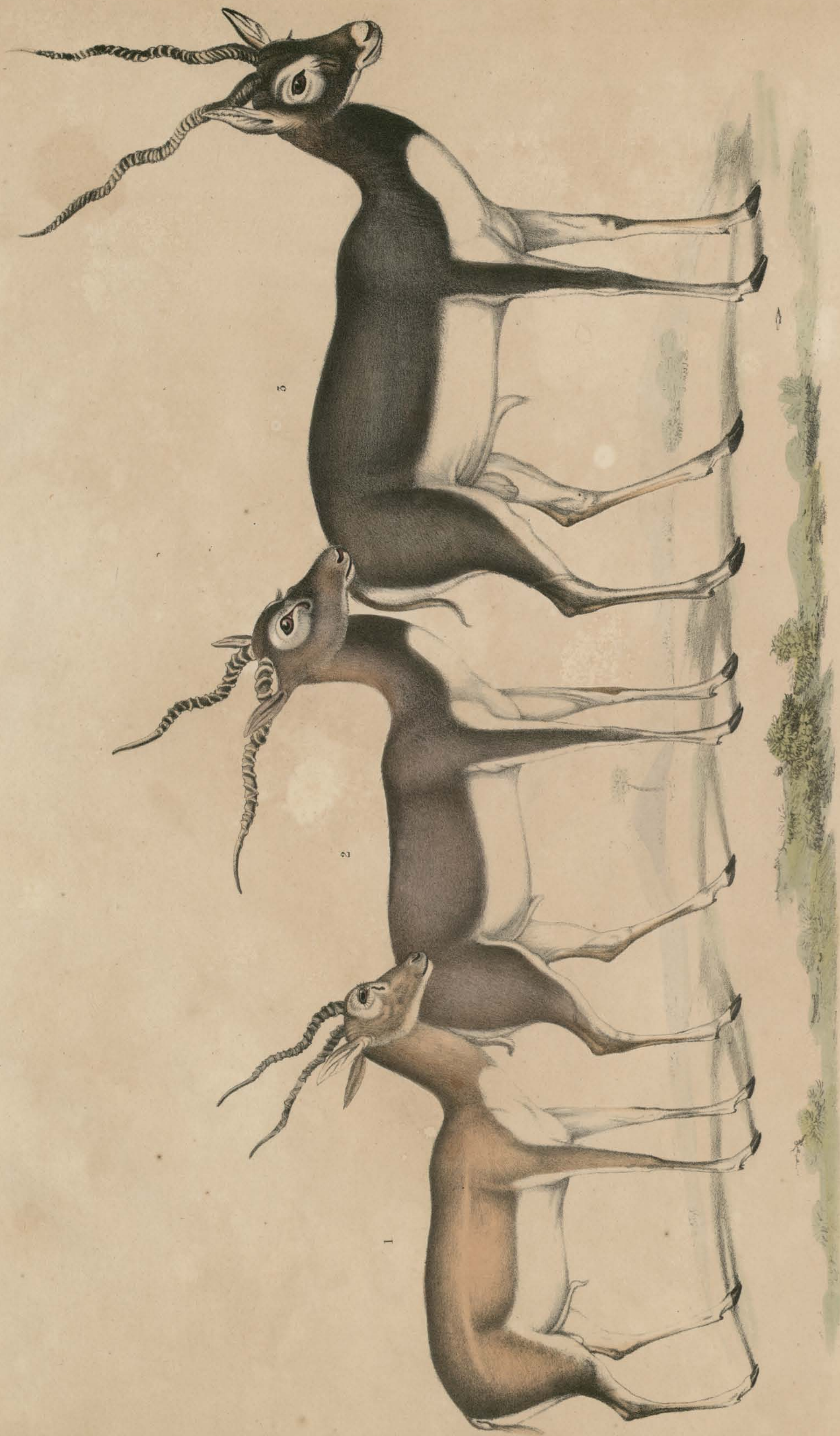
GERBILLUS INDICUS Desm. INDIAN GERBOA RAT.

Published 1829 by Portbury Allen & Co. London. Printed by W. Baylis, Great St. St.



ARVICOLA INDICA: Gray.
INDIAN FIELD MOUSE.

*Published by Parbury & Allen, London, May 1. 1824.
Printed by Eyre & Co.*



INDIAN ANTELOPE. ANTELOPE CERVICAPRA, Lin.
1. Young in Month of January 1822. Antelope bilineata Lin. M's. 2. same individual in end of Oct. 1825. 3. Adult.
Published 1829 by J. Murray Allen & Co. London.
Printed by W. Phillips.



Printed by W. Day.

INDIAN ANTELOPE, ANTELOPE CERVICAPRA. Lin.
India.

1...Young. 2...Adult.

Published 1828 by Parbury Allen & Co Leadenhall Street.



Drawn & lith. by Waterhouse Hawkins.

Printed by Enslin & Co.

WHITE BACKED VULTURE. VULTUR LEUCONOTA.



BENGAL VULTURE. VULTUR BENGALENSIS (Lath) 1. HEAD OF VULTUR PONDICERIANUS. 2. HEAD OF VULTUR MONARCHUS.
half the natural Size from living Specimens.



WHITE DOTTED EAGLE. AQUILA PUNCTATA.

Cawnpore $\frac{3}{4}$ Nat. length.

Drawn & Engr'd by W. Hawkins.

Printed by Engelmann & Co.



WHITE BANDED EAGLE.
AQUILLA BIFASCIATA.
 $\frac{2}{3}$ Nat-length Cawnpore March 1802.



Drawn & lith. by Waterhouse Hawkins.

Printed by Engelmann & Co.

LINED FISHING EAGLE. HALIAETUS LINEATUS Gray.



Drawn & Col. by Waterhouse, London.

PLAIN FISHING EAGLE. *HALIAEETUS UNICOLOR*. Gray.

Printed by Engelmann & Co.



2. 1/2 Hawkman. 1840.

STRIX CORNELIA ANDRA, Lath. CORNOLIA NIDEL. OWL, Lath. Cornelia, 1840.

Published 1840 by G. S. Allen & Co. New York.
Printed by G. S. Allen.





Drawn from Nature & on Stone by Waterhouse Hawkins

Printed by Engelmann & Co

ALMORAH JAY. GARRULUS VIGORSII.
Nat. Size



Fig. 1 GARRULUS GULARIS. Nob. GULAR JAY.

Fig. 2 GARRULUS ORNATUS. Nob. BEAUTIFUL JAY.
ALMOERAH. Nat. Siz.



Printed by Engelman & Co.

KITTA VENATORIJS, Nob. HUNTING CROW. Lath. Hist.

Drawn from Nature & on Stone by Waterhouse Hawkins



PICA VAGABUNDA. Weigler. RUFOUS MAGPIE.
Kereyli. Natives of Calcutta.

E. W. Hawkins lith.



1. W. Hawking, *ibid.*

PICA GINENSIS. CHINESE MAGPIE.
India.

*Published 1829 by Parbury Allen & Co Leadenhall Street.
Printed by W. Day.*



SMALL PARADISE BIRD. PARADISEA MINOR.

Drawn from a living specimen in the aviary of Mr. Beale, at London.

Printed by Longman & Co.



B. W. Hawkins del.

CENTROPUS SIKKIMENSIS SIKKIM CUCKOO.

Lath. H.

Published 1829 by Anthony Allen & Co. Londonhall Street.
Printed by W. Day.



Drawn from Nature by John G. Bourne

Printed by Engelmann, N. Y.

1. PICUS DIMIDIATUS Temm ALMORAE WOODPECKER. 2 PICUS RUFUS. Lath. RUFUS INDIAN WOODPECKER. Lath.



Drawn from Nature & on Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

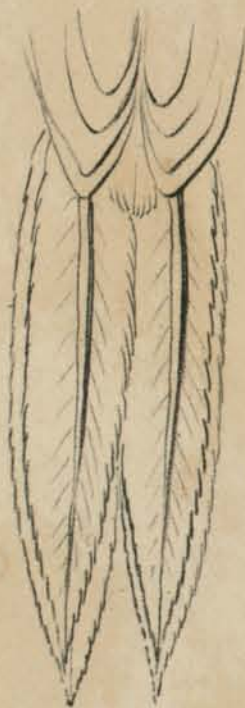
1. PICUS MINIATUS Forst CRIMSON WOODPECKER 2. PICUS TIGA Horst INDIAN. 3. TOED WOODPECKER. a2. HEAD OF FEMALE.



2



a 2



Drawn from Nature & on Stone by Waterhouse Hancock.

Printed by Englemann & Co

1, PICUS NEPAULENSIS Nob NEPAUL WOODPECKER.

2, PICUS BARBATUS Nob MOUSTACHE WOODPECKER.



B.W. Hawkins del^o

PICUS MACUL. LESSER SPOTTED WOODPECKER.

1 Male. — 2 Female. — 2 a Wing — 2 b. Tail.

Pub^d by Treuttel & Wurtz Soho Square.



Drawn from Nature by John Gould

Engraved by J. Smith

1. *PICUS MOLLUCCENSIS*. Lath. BROWN WOODPECKER. Lath.
a. Male. b. Female

2. *PICUS MAHRATTENSIS*. Lath. MAHRATTA WOODPECKER.
a. Male. b. Female



1. CAPRIMULGUS INDICUS Lath. INDIA GOAT-SUCKER.

2. CAPRIMULGUS ASIATICUS Lath. BOMBAY GOAT-SUCKER.



W.B. Hawkins lithog.

Printed by W. Day 17, Gt. St.

1. BALASSIAN SWIFT. *CYPSELUS PALMARUM*. n. - 2. *CYPSELUS AFFINIS*. n. - 3. ALLIED SWIFT. 3. CHINESE MARTIN. Lath. *HIRUNDO CHINENSIS*. n.

1.a Male. 1.b Female. (1.c. 1.d.) Young & Nest on Palm Leaf.

Published 1829. by Parbury, Allen & Co. Ludenhall Street.



Printed by Engelmann & Co.

ARGUS PHEASANT HEN. ARGUS PAEONINUS ♀
China 7/5 Nat length

Drawn & lith. by W. H. Storer, Bankers



HARDWICKES POLYPLECTRON — POLYPLECTRON HARDWICKII Gray.

India, $\frac{3}{4}$, nat size.

1. Dorsal feather of *P. Hardwickii*

2. D^e D^e *P. Bicalcaratum*.

Printed by Engelmann & Co.



Drawn & lith'd by Waterhouse Hawkins.

Printed by Engelmann & Co.

LINEATED PEACOCK PHEASANT. POLYPLECTRON LINEATUM Gray.

China $\frac{3}{4}$ nat. Size.



About 1/2 size.

PHASIANUS REEVESII, n. REEVES'S PHEASANT.
China.

*Published 1st June 1829 by Parbury, Allen & Co. Ludenhall-Street.
Printed by W. Bayly, 17, Queen St.*

*on Stone by F. W. Haskins from a Chinese drawing
made under the inspection of Mr. Reeves from a living bird.*



E. W. Edwards del.

Printed by Engelmann & Co.

PHASIANUS PUCRASIA n. PUCRAS PHEASANT, Lath.
ALMORAH WELLS, CALLED PUKRAS

Published June 1, 1829, by Parbury, Allen, & Co. Leadenhall St. London



W. H. H. H. H.

LINEATED PHEASANT *Phasianus himalayensis* Gray MALE.
Raidge Nepalese Nepal.

Published 1829 by Darby, Allen & Co. London.
Printed by W. D. G. 5, St. 5.

1/2 Nat. size.



PHASIANUS PURPUREUS n. PURPLE PHEASANT-TENANG.

Phasianus erythroptthalmus ? Raffles!

Delicad. N. 29 by Portray - Black & White.

W. B. HAWKINS DEL. Printed by W. Day & Co. No. 17.



JAVAN HEN Java
GALLUS FURCATUS Temm

STANLEY MEN. GALLUS STANLEYI

CALIF. US. BANK IV A. Tenn. Sam.

Printed by Engelmann, 202^o



MALABAR COCK Lath. Hist.
GALLUS GIGANTEA Temm

A nat. Size

Drawn & lith by Waterhouse Hawkins.

Printed by Engelmann & Co.





Drawn & lith. by W. Hawkins.

Printed by Engelmann & Co.

BLACK HEADED HORNED PHEASANT. SATYRA MELANOCEPHALA.
Adult male.



Drawn & lithog. by Waterhouse Hawkins.

Printed by Engelmann & Co.

BLACK HEADED PHEASANT male PHASIANUS? MELANOCEPHALUS.



Printed by Engelmann & Co.

BLACK HEADED PHEASANT female PHASIANUS? MELANOCEPHALUS. ♀

Drawn & lith'd by Wm. H. Bennett.



Drawn & lith. by Waterhouse Hawkins

PENNANT'S HORNED PHEASANT. SATYRA PENNANTI.

Printed by Engelmann & Co.



Drawn & Col. by Waterhouse-Hamilton.

Printed by Engelman & Co.

CHINESE HORNED PHEASANT. SATYRA TEMMINCKII male.

$\frac{3}{4}$ Nat. length



Printed by Englewood & Co.

BENGAL HORNED-PHEASANT. SATYRA LATHAMII.

Drawn & Colored by Waterhouse Hawkins.



India. Nat. size

CURRIA PARTRIDGE, - PERDIX HARDWICKII. Gray.

Published 1829 by Richard Allen & Co. London Hall, No. 2

Printed by W. Day 27, Great St. 85

B. W. Hawkins lithog



Drawn by Waterhouse Hancock.

Engraved by D. J. Bennett & Co.

1. CONCENTRIC FRANCOLIN (female) *PERDIX CONCENTRICA*. 2. JAVANESE PEACOCKS (Head)



E. W. HAWKINS. Lithog.

CHUKKAR PARTRIDGE.

Perdix Chukar Gray India. Nat. size.

Published 1829 by T. Agnew & Sons, London. Printed by W. B. Mason.



On Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

1. HEPBURNS FRANCOLIN PERDIX HEPBURNII 2. PERDIX HEPBURNII var PALLIDA ODYPORE.



On Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

1. WOOD PARTRIDGE) PERDIX GULARIS (Temm) 2. ORIENTAL PARTRIDGE PERDIX ORIENTALIS (Lath Hist.)



PERDIX OLIVACEA n OLIVE PARTRIDGE LathH
India

Published 1829 by Parbury Allen & Co. Ludenhall Street.
Printed by W. Day 11. Gt. St. St.



Ed. 1872

B. W. Hawkins lithog.

PERDIX OCULEA Temna - EYED PARTRIDGE.
Bengal.

Printed by W. Day & Co. 11, Old Street.

Pubd. 1872 by Jackson, Mann & Co. London.



Drawn & lith. by Waterhouse Hawkins.

Printed by Englehorn & Co.

EDWARDS'S BUSTARD. OTIS EDWARDSII.

$\frac{1}{2}$ Nat. length



On Stone by Waterhouse Howison.

Printed by Engelmann & Co.

MARbled BUSTARD OTIS MARMORATA.



Drawn & lith. by Waterhouse-Banks.

Printed by Engelmann & Co.

DELICIOUS BUSTARD male OTIS DELICIOSA.

$\frac{2}{3}$ Nat. length.



Drawn & lith. by Waterhouse Harrison

Printed by Agnew & Sons

DELICIOUS BUSTARD. OTIS DELICIOSA.

$\frac{2}{3}$ Nat length.



SPUR WINGED PLOVER. Lath. CHARADRIUS VENTRALIS. Wagler.

1. Male 2. Female
Cawnpore

Published 1829 by Parbury Allen & Co. Londonhall Street.
Engraved by W. Day.

B. Waterhouse Hawkins. Lith.



CICONIA (MYCTERIA) AUSTRALIS, Lath. TETAAR JABIRU, Lath.
PUTTEGHUR, INDIA

London. Published Sept. 1829, by Parbury, Allen & Co. Leadenhall St.



Drawn & lit. by Waterhouse Hawkins

Printed by Engelmann & Co

INDIAN WHITE HERON. ARDEA ORIENTALIS.



Platycodon Hatched 1843

1. ARDEA CINNAMOMEA. Lath. CINNAMON HERON. Young. *Fatchapur*.



Engelmann 1843

2. YELLOW NECKED HERON Lath. ARDEA FLAVICOLLIS. Wagler



Printed by Engelmann & Co.

SPOTTED BILLED DUCK Lath Male ANAS POECILORHYNCHUS Lath.

Drawn & colored by W. H. Edwards.



B. Waterhouse Hawkins Lith.

Printed by W. Day

GIRRA TEAL. Lath. ANAS GIRRA. n.
 1. Male 2. Female.
 Published 1829 by Harbury Allen & Co. Leadenhall Street



1. WAVED TERN. Lath H. — STERNA BREVIROSTRIS. Nob.

2. ORANGE RUMPED TERN. — STERNA AURANTIA. Nob.

London: Pub. by T. Agnew & Sons, 1854.

B.W. Hawkins litho.



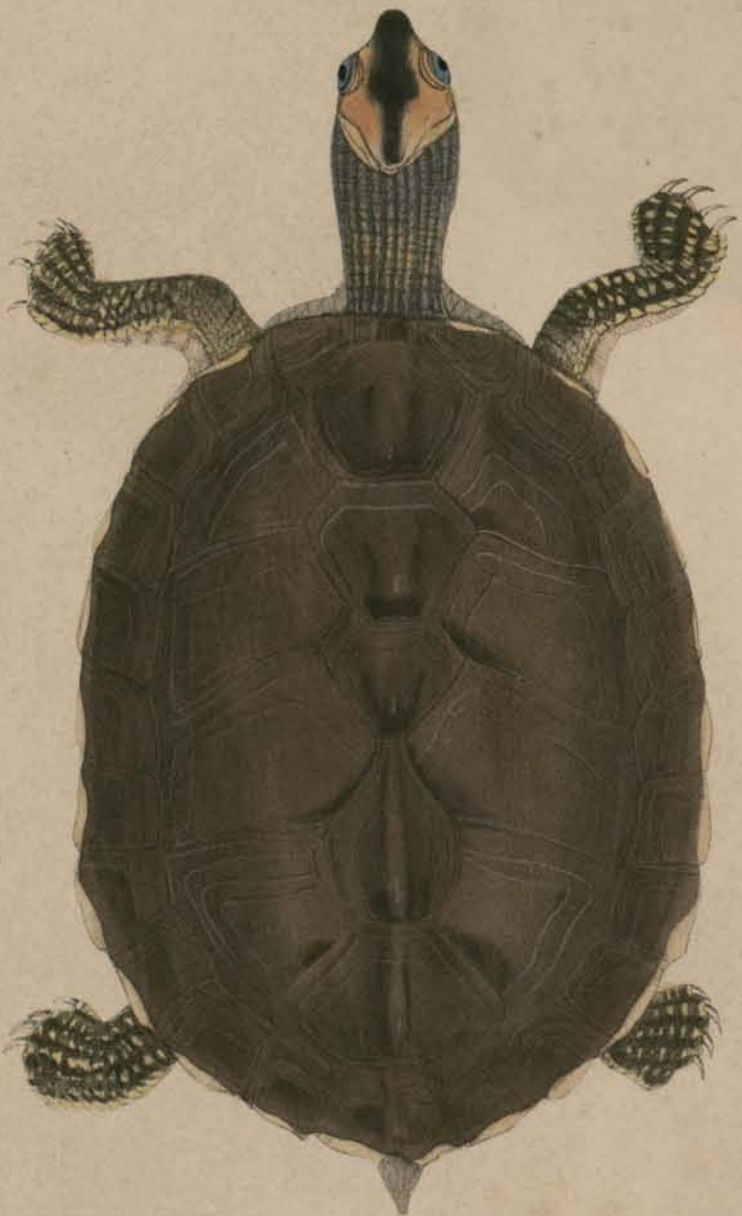
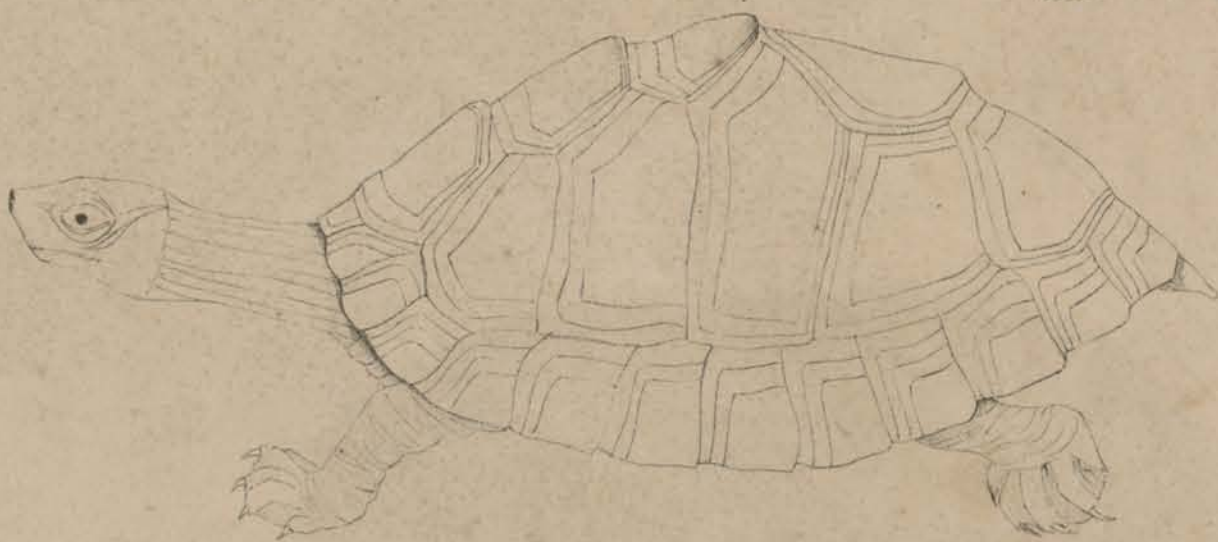
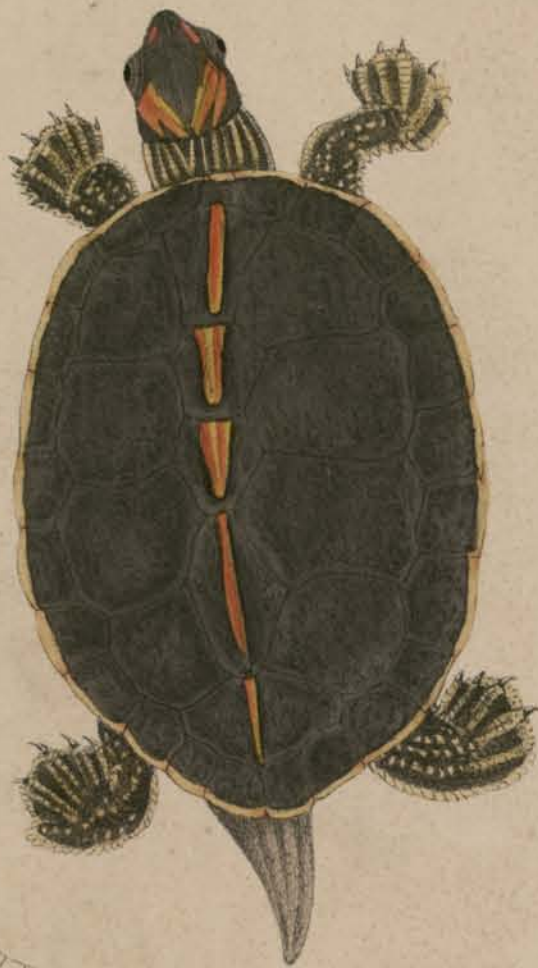
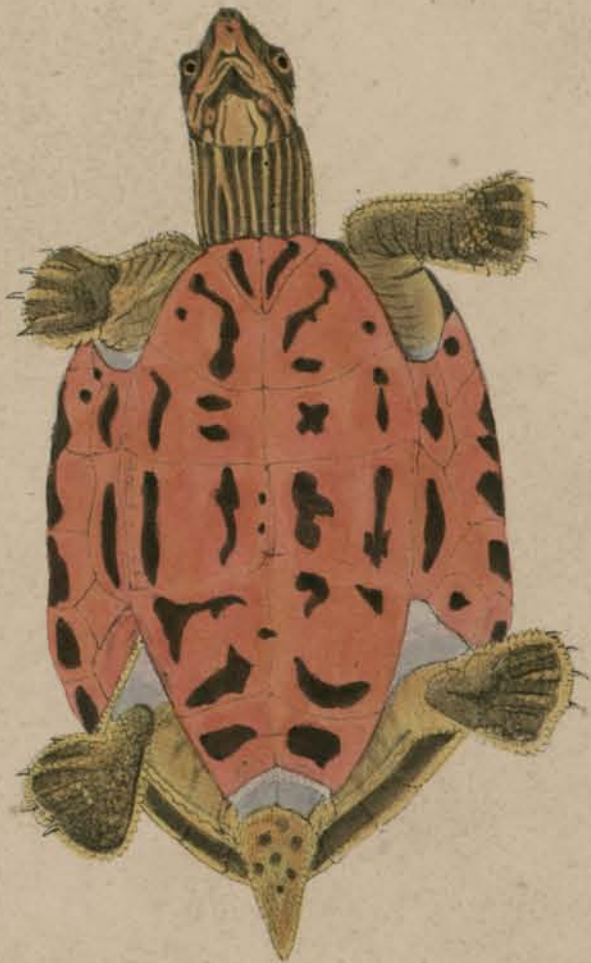
1. JAVAN TERN. Lath. STERNA JAVANICA Horsf (female).
 2. ALLIED TERN. STERNA SIMILIS. Nob.
 3. BROWN BELLED TERN. Lath. STERNA ACUTICAUDA nob. (male).
 all from Ceynpore. — of the Natural Size.



Printed by Engelmann & Co.

CRABO JAVANNICA (Horsf) JAVAN CORMORANT.

On Stone by Macleay & Harkness.

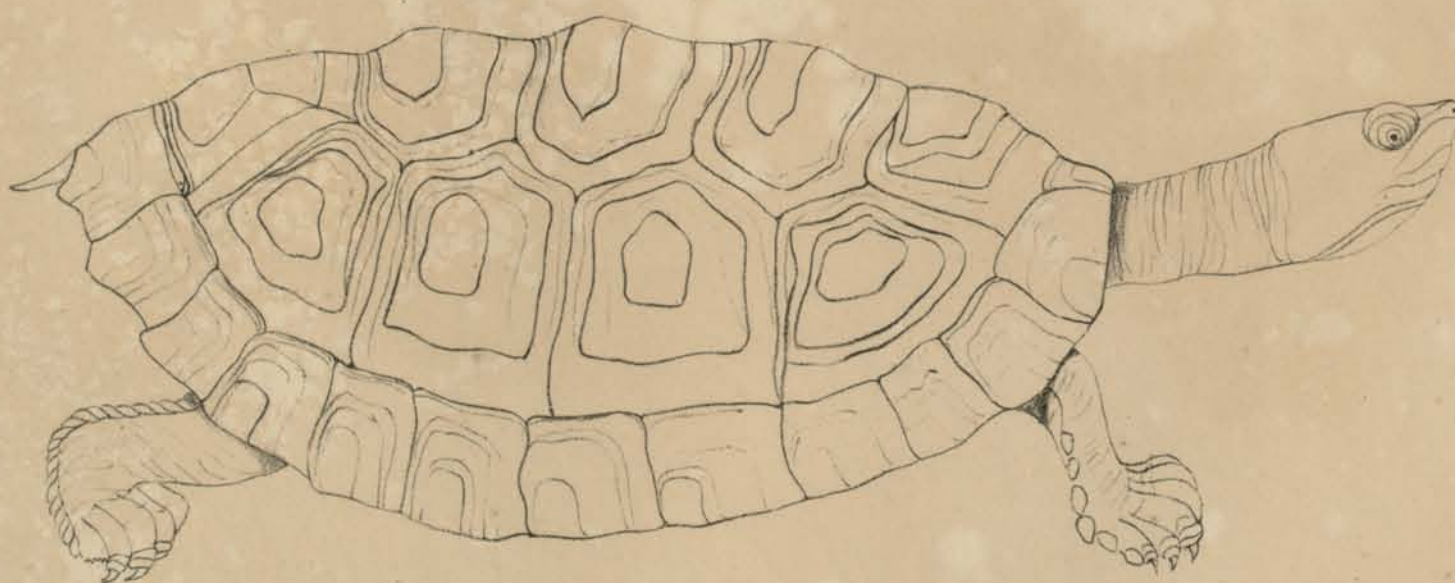
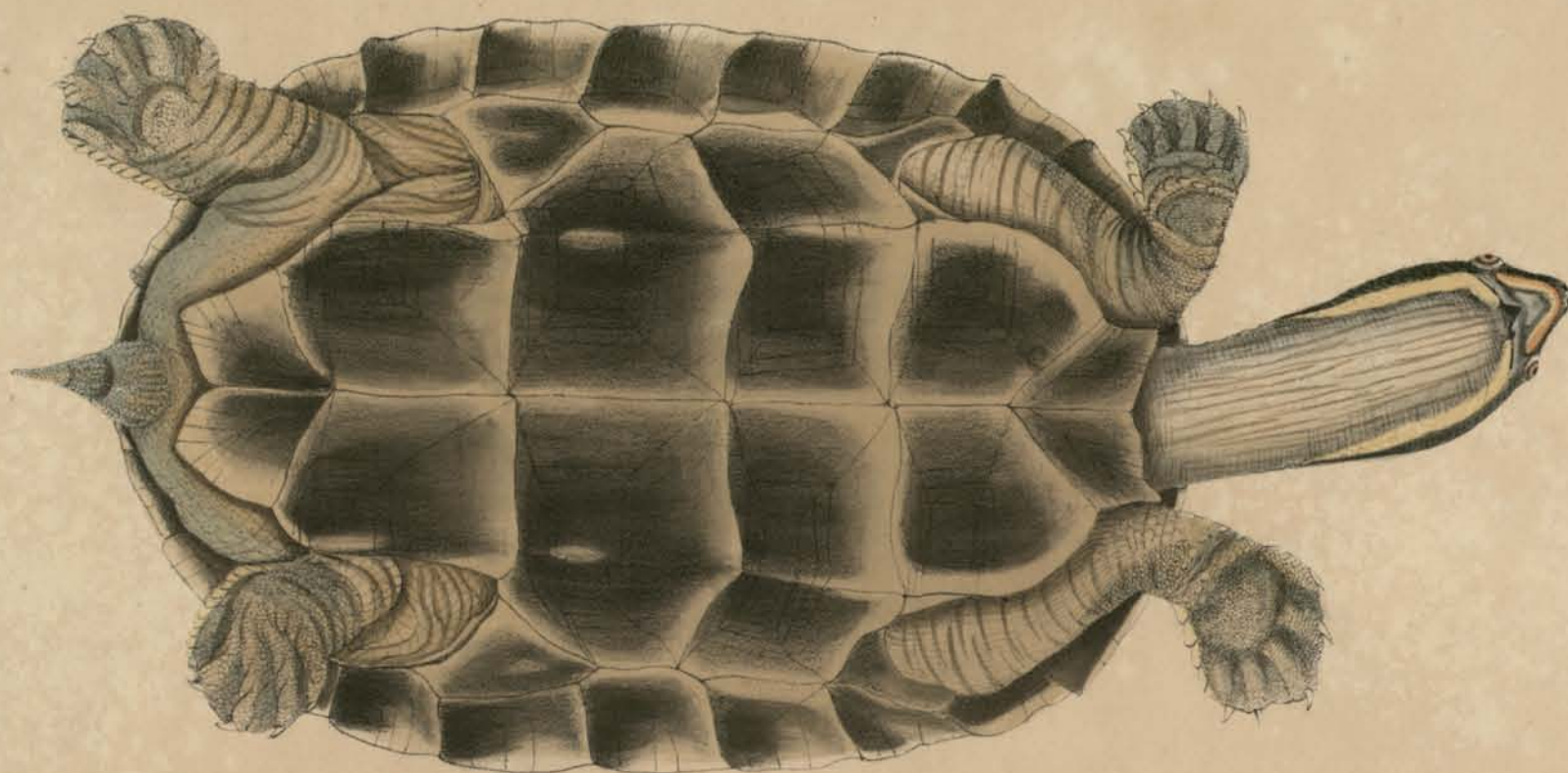


B. W. Hawkins. lith.

EALED TERRAPIN. *EMYS TECTUM*. Bell Mjs.
From D^r Buchanan Hamiltons Drawings
India.

*Published by Leach & Co. Leadenhall Street.
Printed by W. Day.*



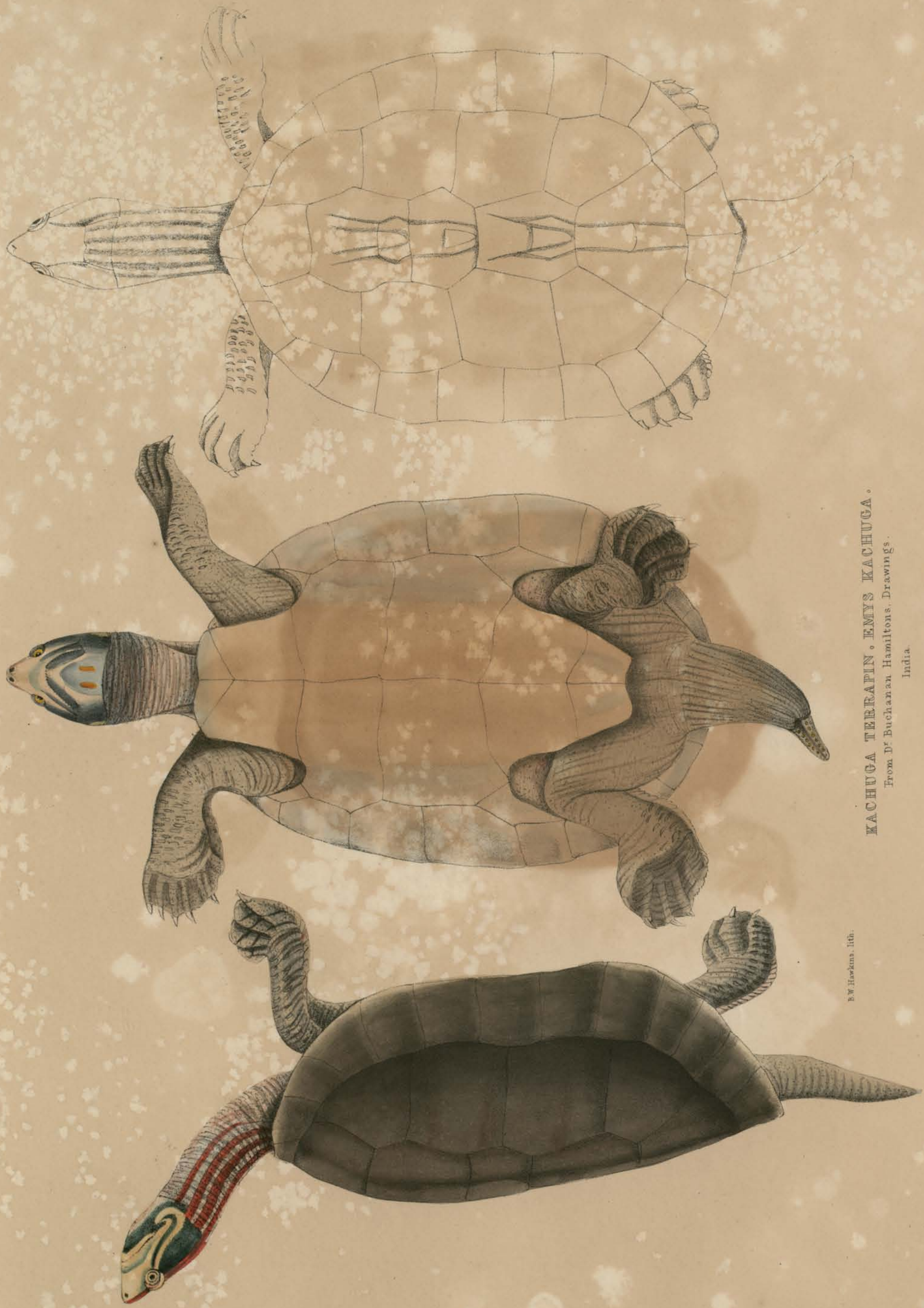


THUJI TERRAPIN. n. EMYS THUJIN.

From D^r Buchanan Hamilton's Drawing.

Published by Barbary Allen & Co. Londonhall, St^r.

Printed by W. Day.

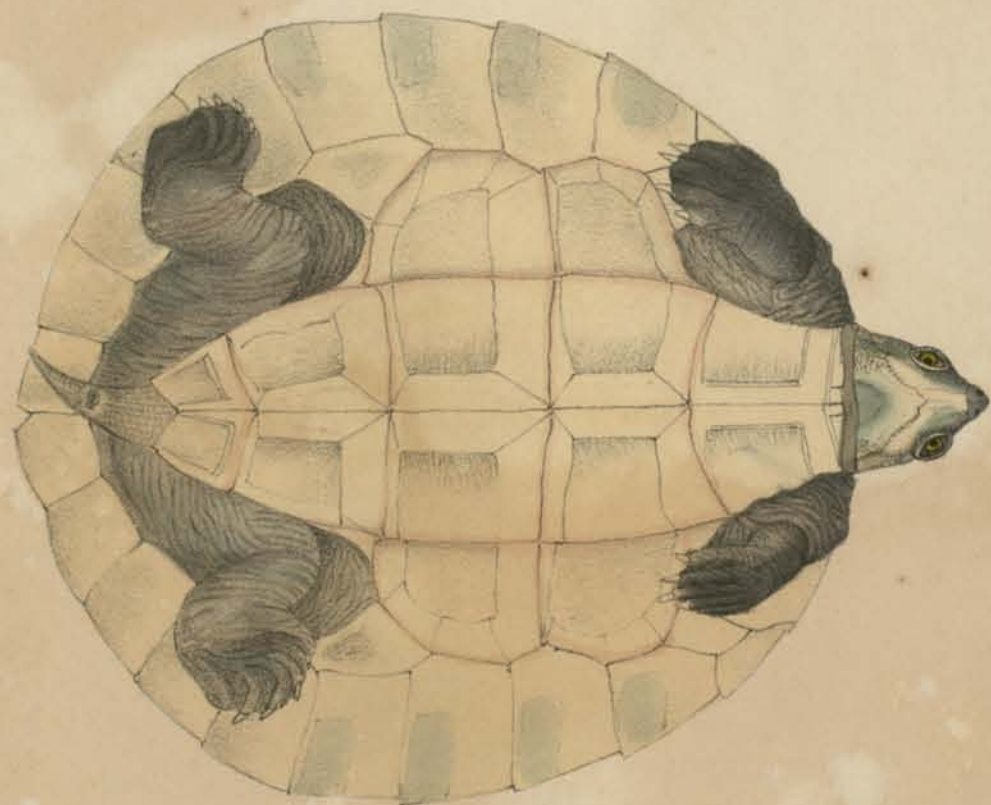
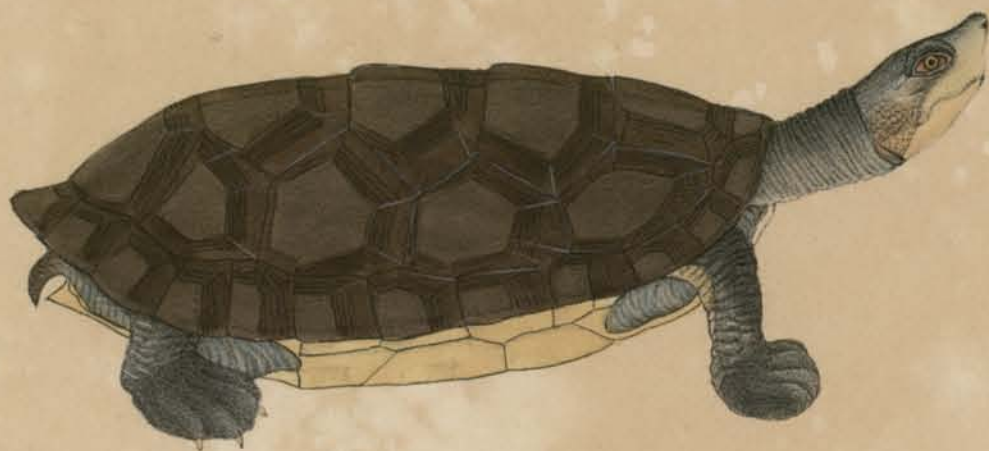
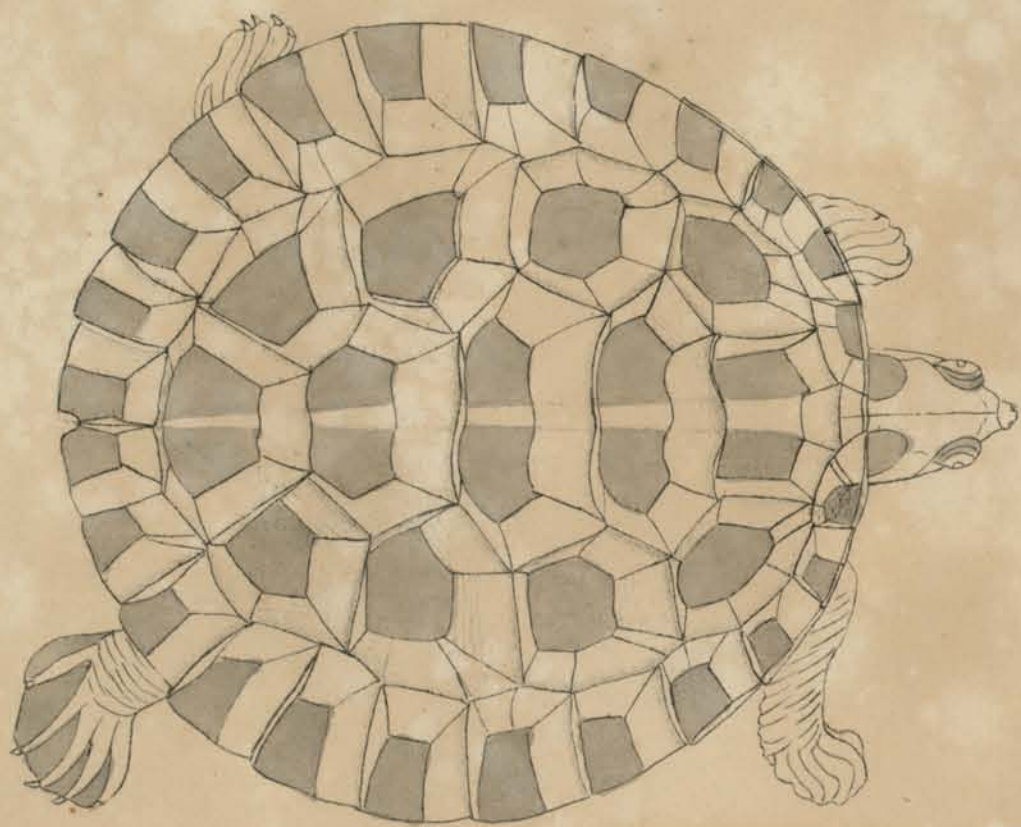


KACHUGA TERRAPIN. E.MYS KACHUGA.
 From Dr Buchanan Hamiltons, Drawings.

India.

Published by the University of London, London.
 Printed by W. Day.

E.W. Hawkins, lith.

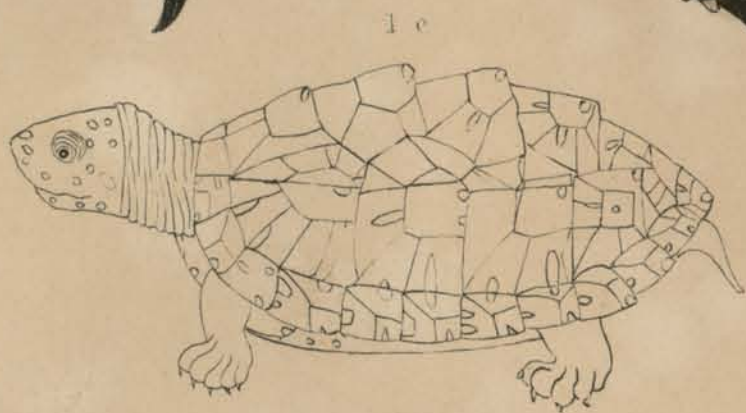


Morley del

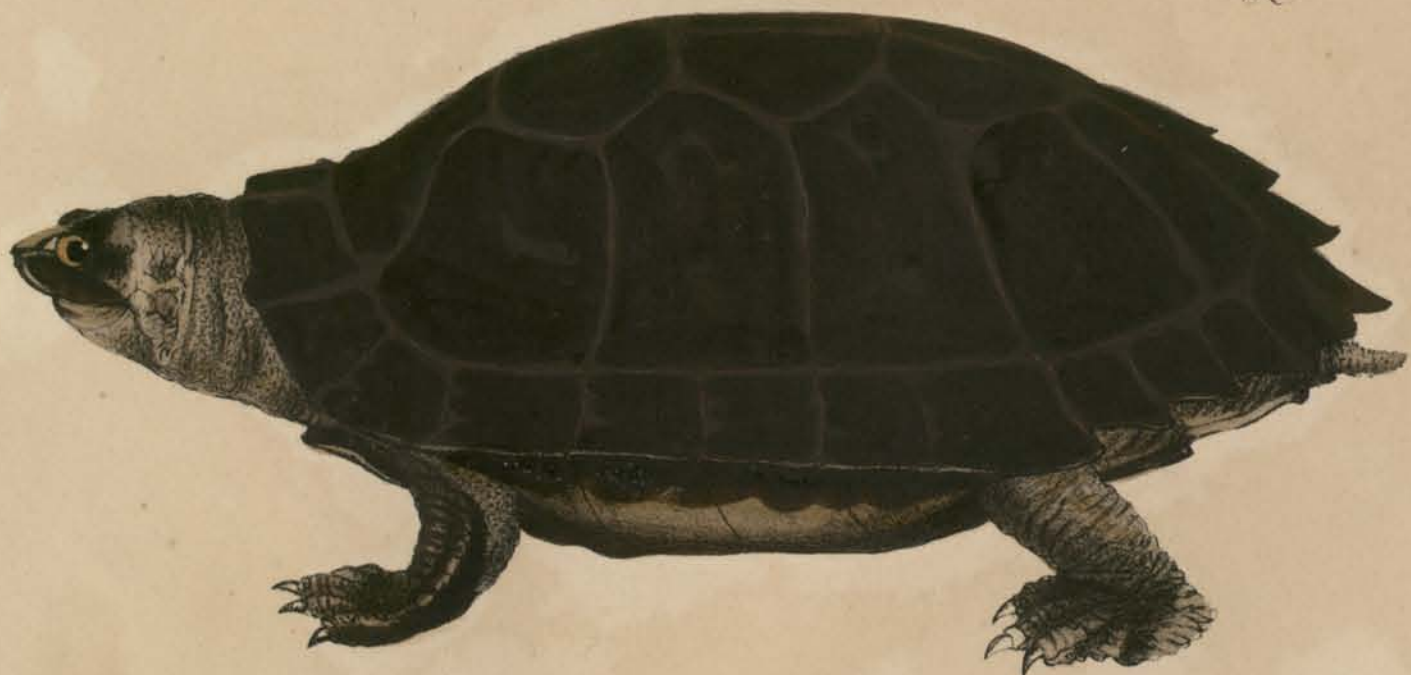
BASKA TERRAPIN. n. EMYS BASKA. n.

From Dr Buchanan Hamilton's Drawing.

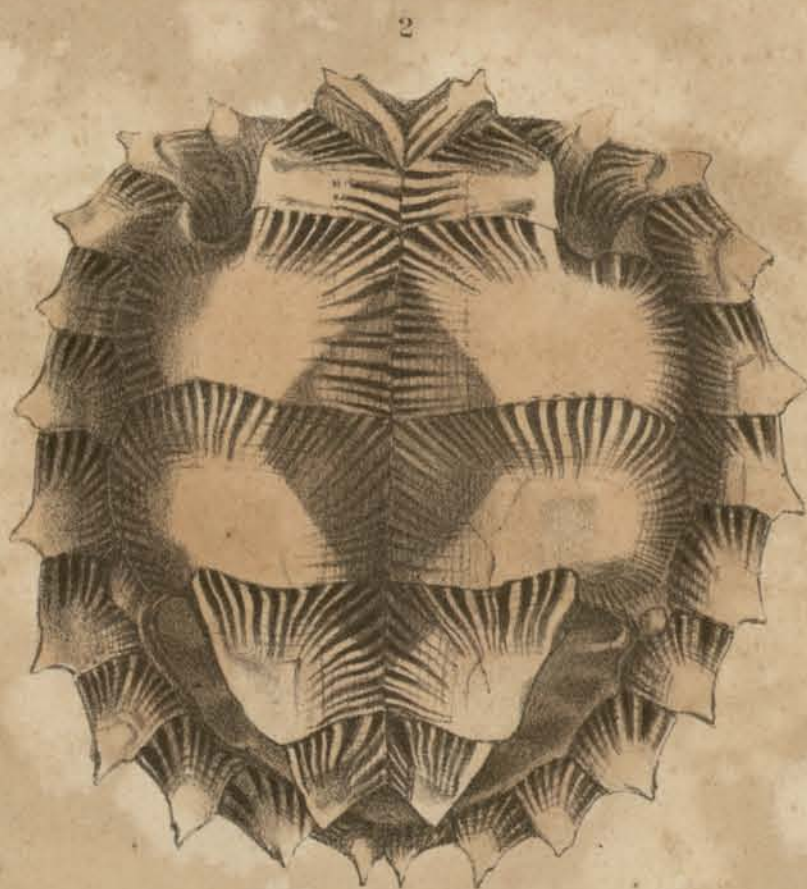
Published by Perkins Allen & Co. Leadenhall St.
Printed by W. Day.



2 a



1.....SPOTTED TERRAPIN. EMYS GUTTATA n.
 From D^r Buchanan Hamiltons Drawings.
 2.....THICKNECKED TERRAPIN. EMYS CRASSICOLLIS Bell M^s
 Mus D Bell



1 . 2
EMYS SPINOSÆ. Bell. Penang.

3 . 4
CISTUDA AMBOINENSIS. Amboina. - Nat. Size

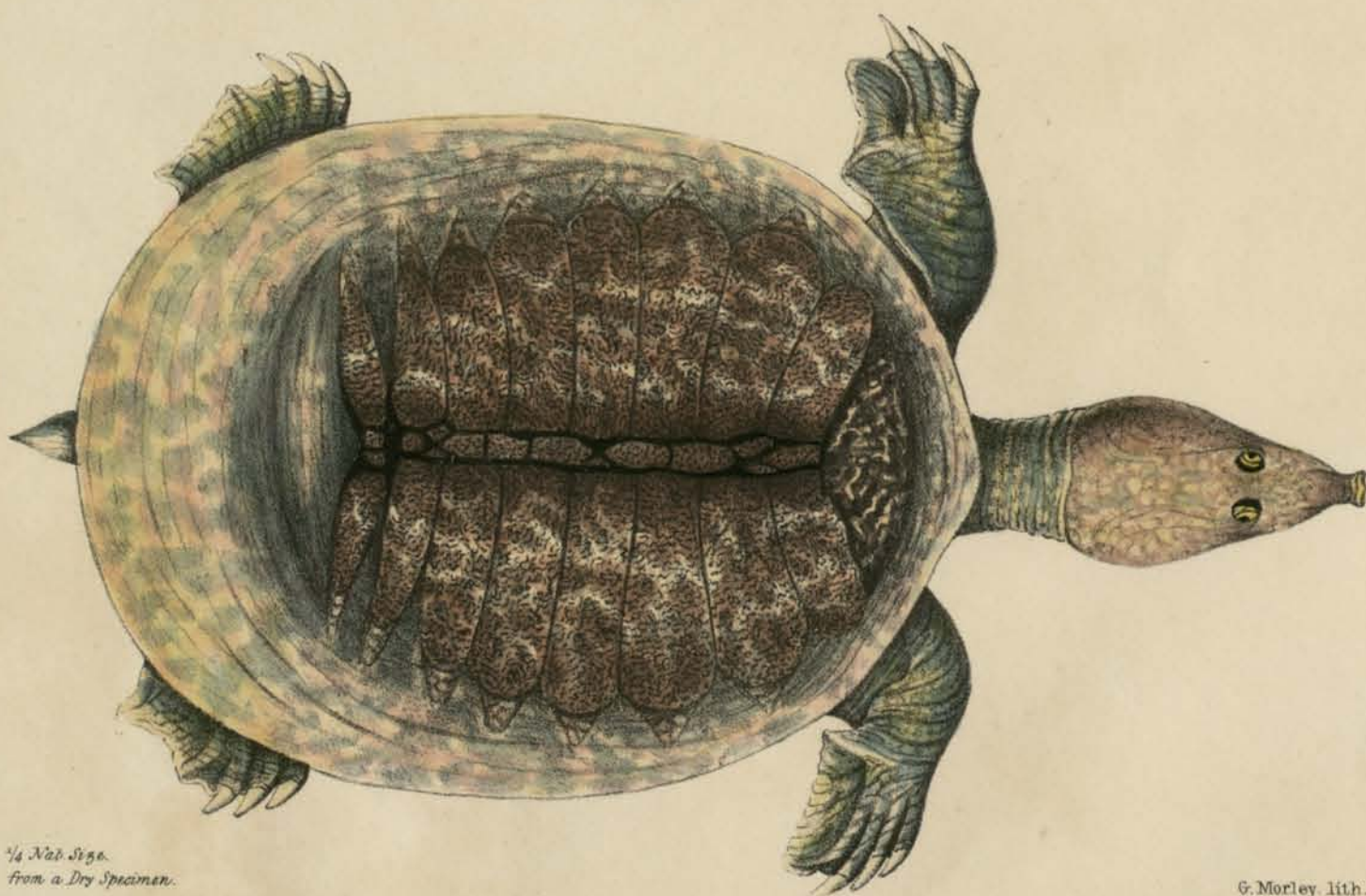


W. B. Hawkins lithog.

TRIONYX OCCELLATUS. N. EYED TRIONIX.

From D^r Buchanan Hamilton's Drawings.
India.

Published 1829 by Furbury Allen & Co. Leadenhall Street.
Day, lithog. 17 Gate St.

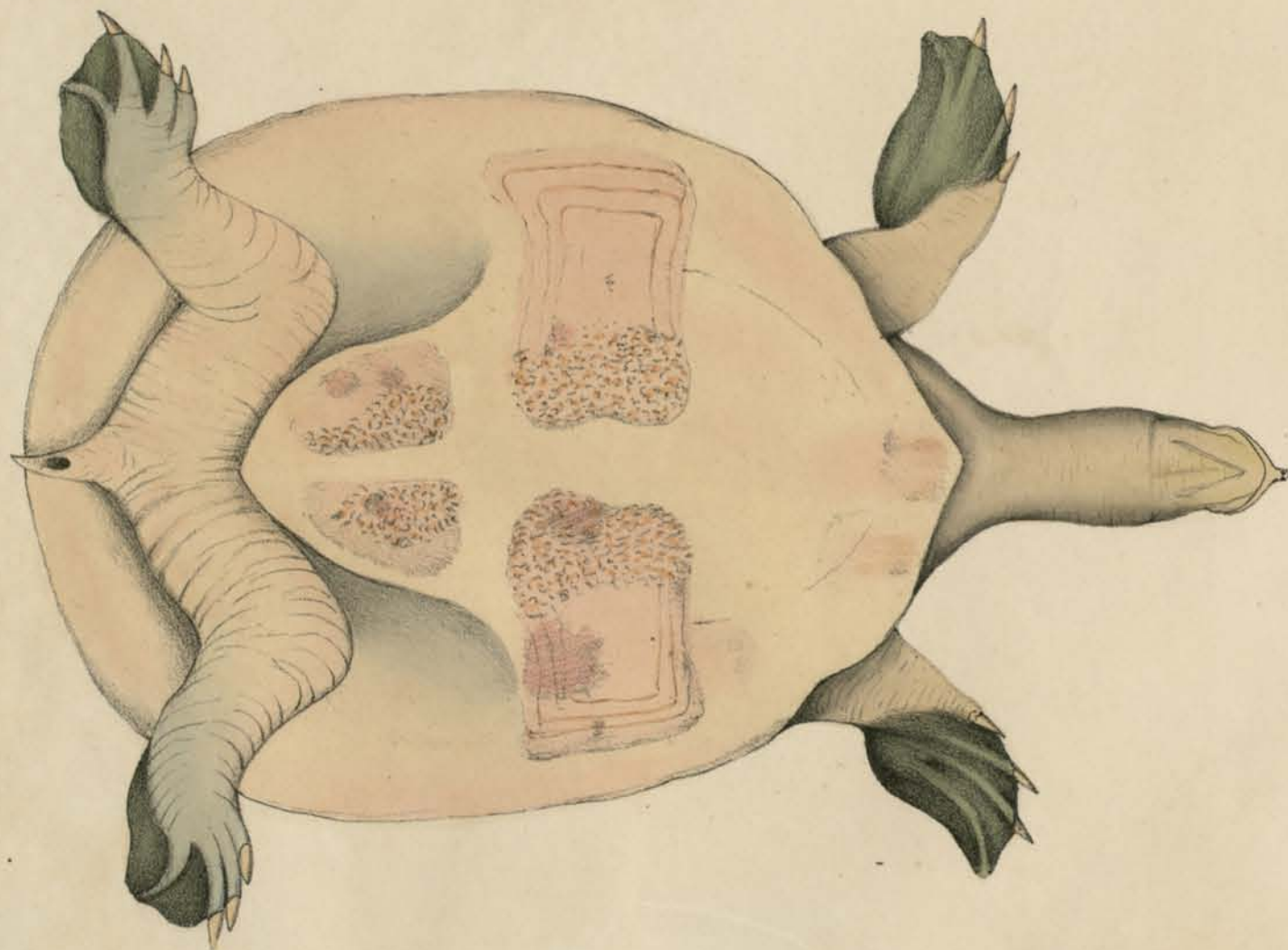
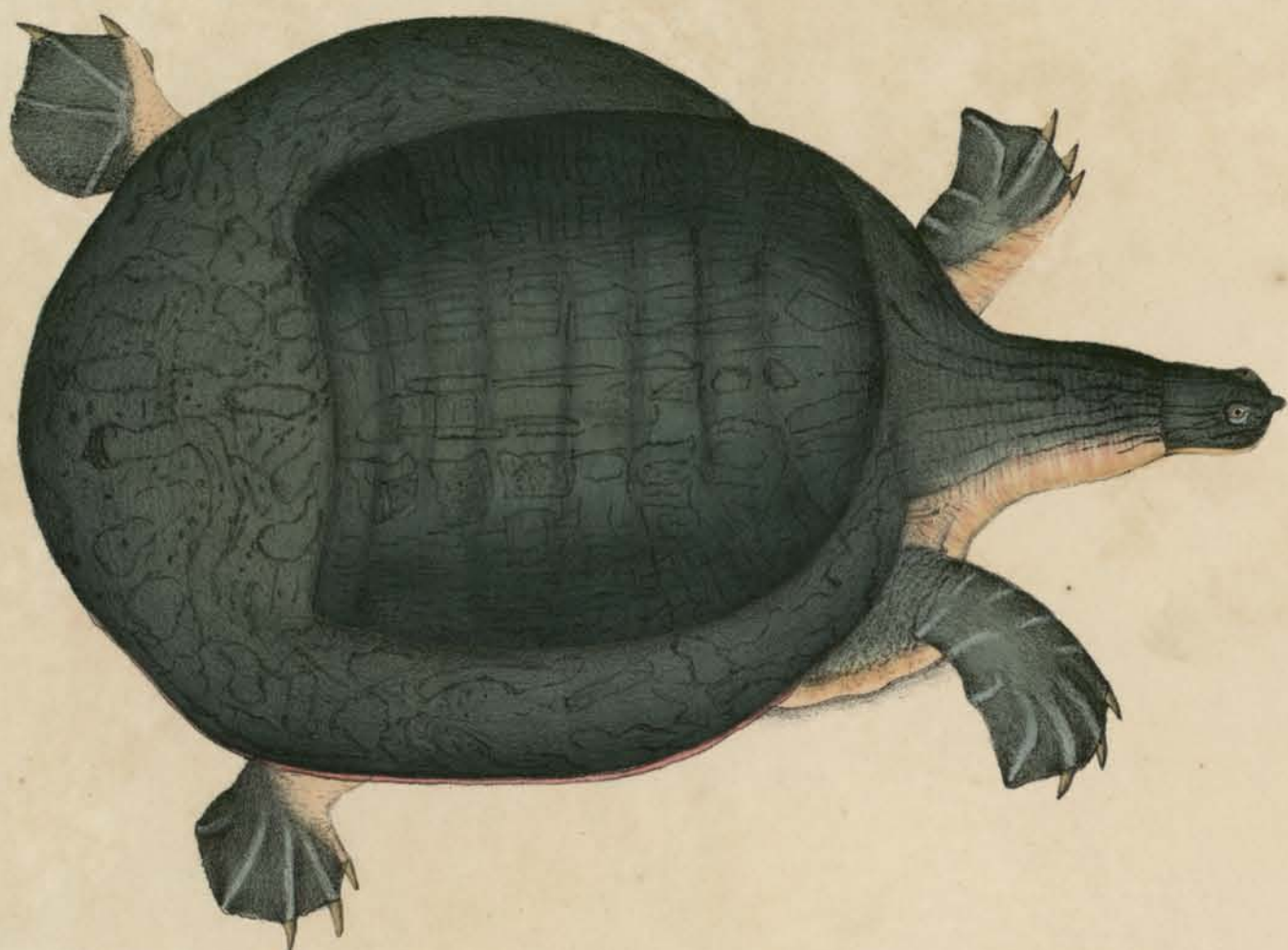


*1/4 Nat. Size.
From a Dry Specimen.*

G. Morley. lith.

TRIONYX SUBPLANUS. Geoff. FLAT TRIONYX.
India.

*Published 1829 by Parbury Allen, & Co. Leadenhall Street,
Printed by W. Day, 17, Gate Street.*



TRIONYX AEGYPTIACUS. Var. Indica. n. EGYPTIAN TRIONYX. Indian. Var.
Ganges, called Sewteree, sometimes grows to 240 lbs.

*Published 1829 by Parbury Allen & Co. Leadenhall Street.
Printed by W. Day 17 Gate Street.*



J. W. Hancock del.

TRIGONOCEPHALUS PURPUREO MACULATUS, a BLUE SPOTTED COPHLAS.
SINGAPORE.

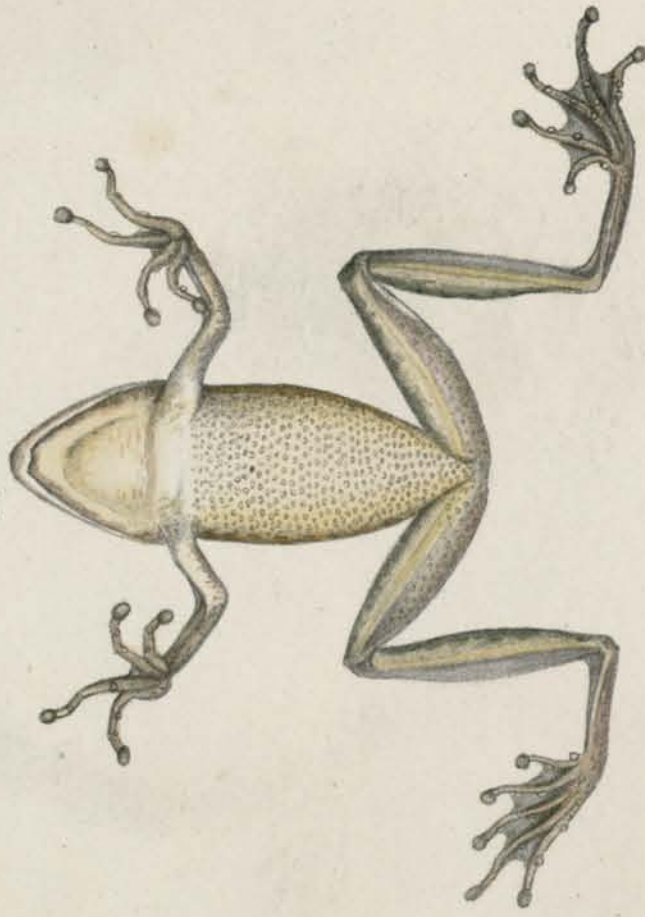
London: Published June 1, 1829, by DeBury, Allen & Lardnerhall St.

Printed by Eyre & Spence, 1829.

1



1a



1, 1a. *HYLA MACULATA*, n. SPOTTED TREE FROG.
BENGAL.

2



2a



2, 2a. *RANA BENGALENSIS*, n. BENGAL FROG.
BENGAL.

Published June 1, 1858, by Parbury, Allen, & Co. London.
Printed by Eyre & Spence, E.C.



1



BUFO CARINATUS n. KEEL-NOSED TOAD
BENGAL.

2



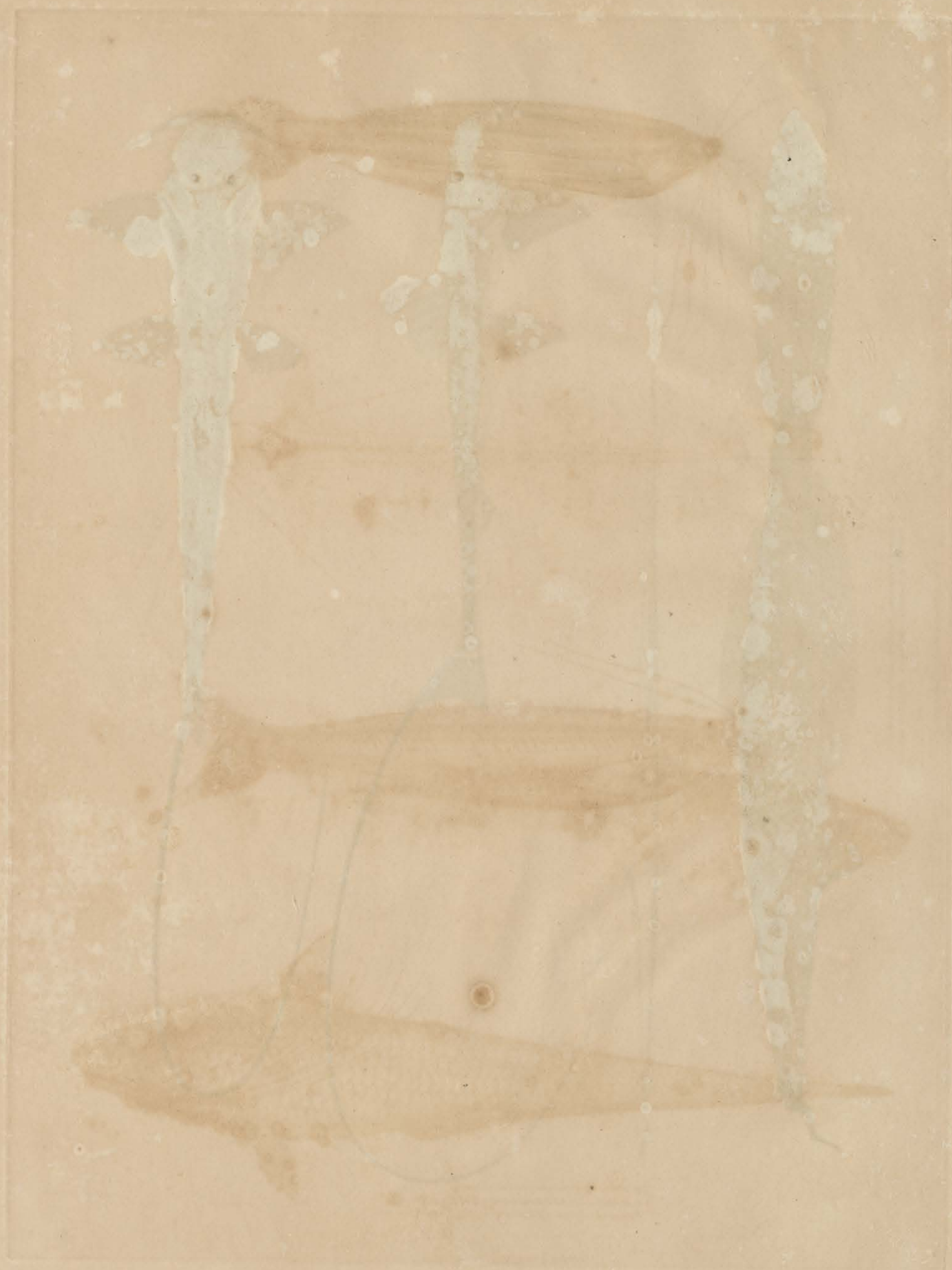
BUFO DUBIA. n. DOUBTFUL TOAD. Shaw.
BENGAL.



1. *Sisor. Rhabdophorus Hamiltoni*, James 1 6 nat. size
2. *Halibut. Muscaulus, korbana*, n. Singapore nat. size

Printed by W. Phillips, at the 'Penny Press', London, 1858.

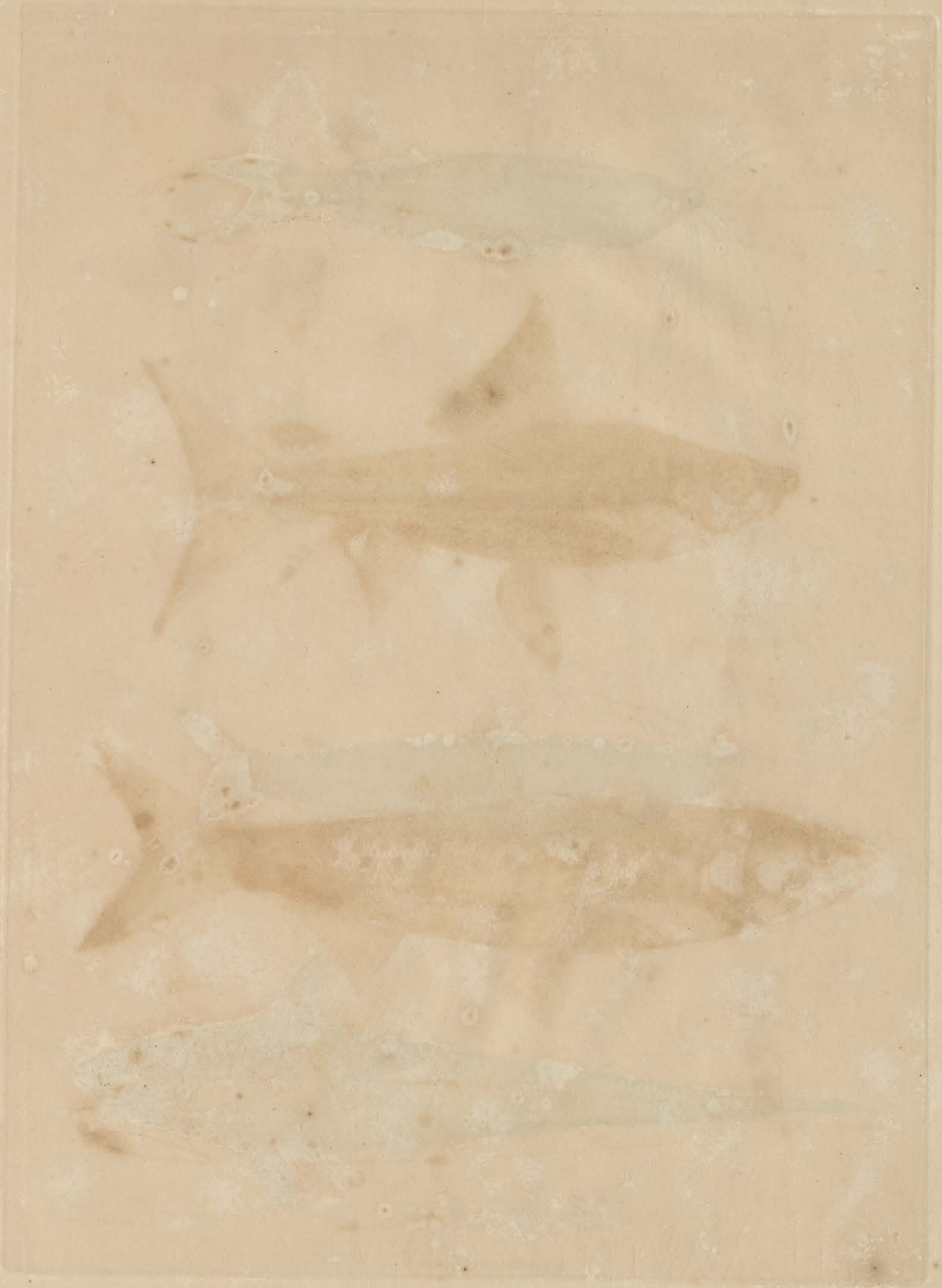
Engraved by J. Smith

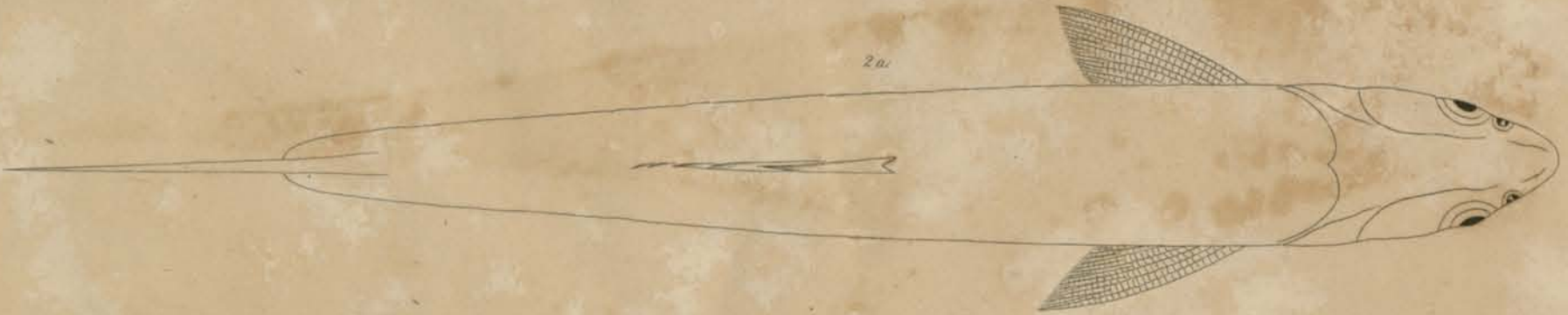
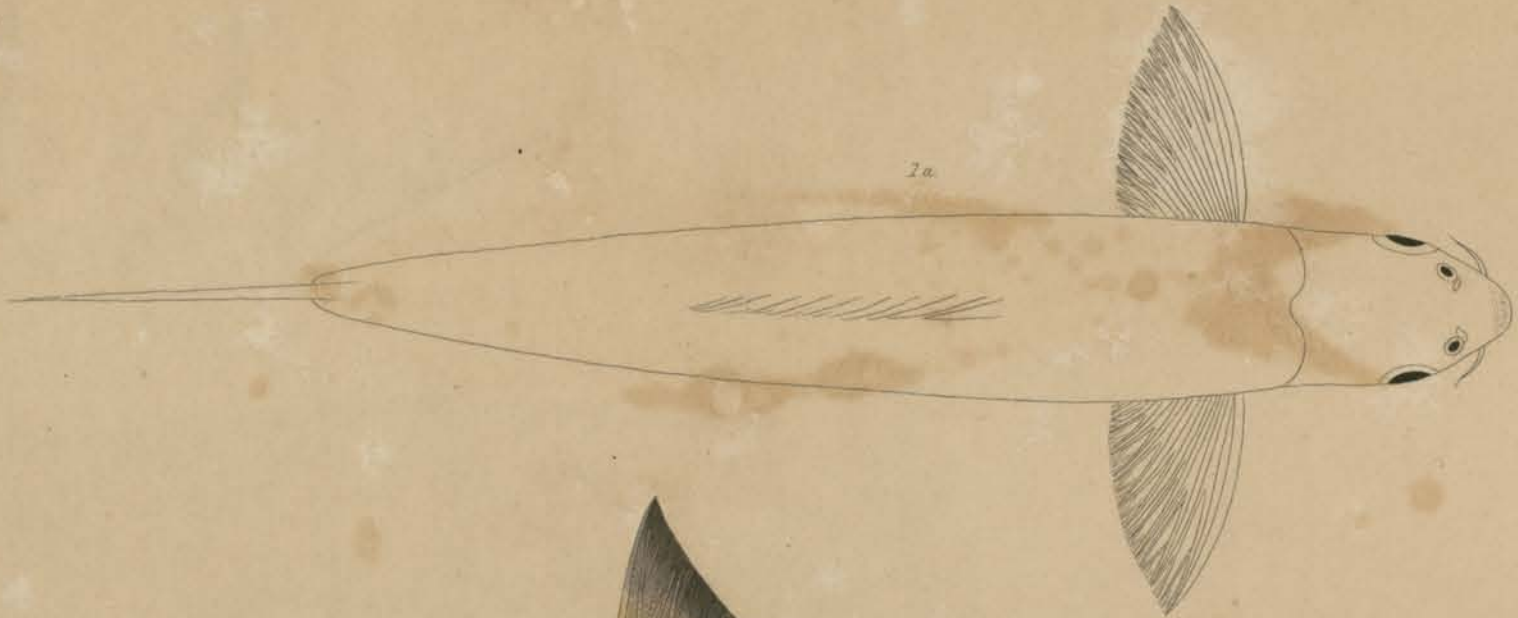




1. *Silurus (Acanthonotus) Cuvieri* n. nat. size.
 2. *Melopterus (Ailia) Bengalensis* n. Rivers Bengal. nat. size.
 3. *Engraulis (Cottus) Hamiltoni* n. Rivers Bengal. nat. size.

Engraved by J. Swain.





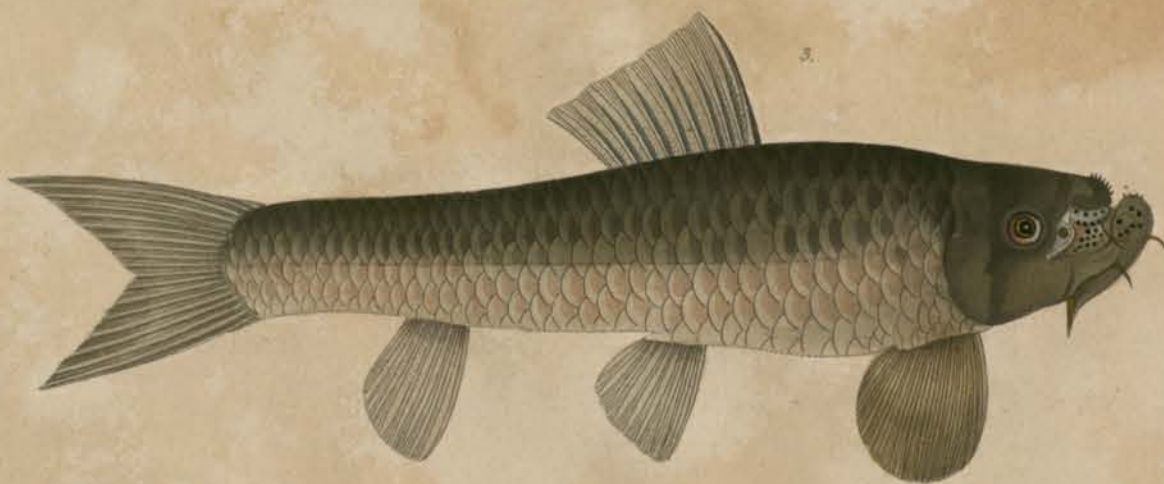
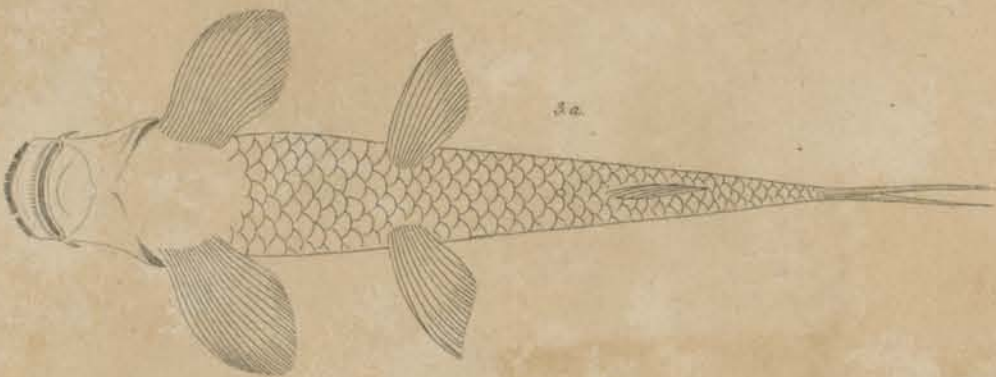
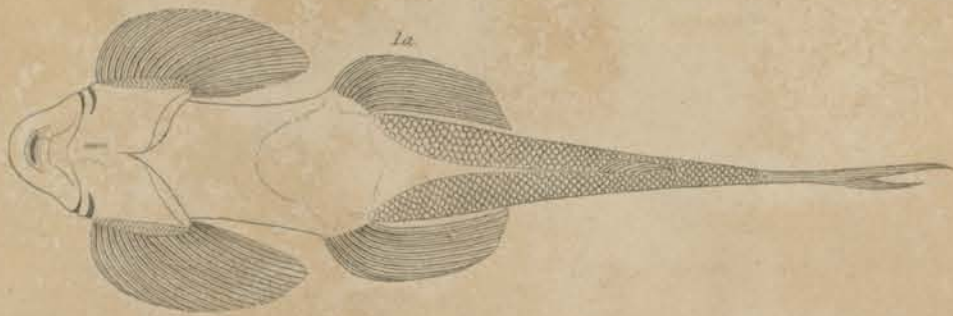
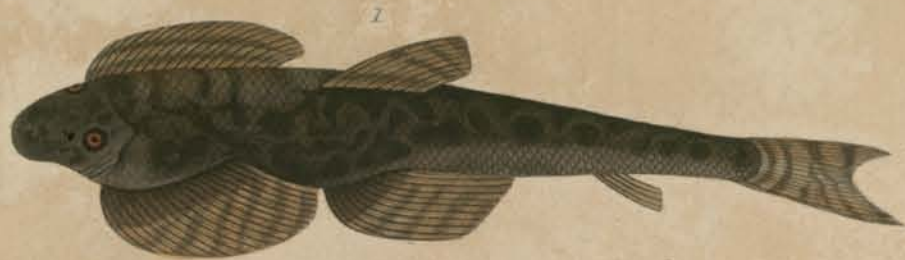
1 Cyprinus (Bangana) Hamiltoni, Gray, nat. size.
2 Cyprinus (Leuciscus) Gohi, Hamilton, nat. size. Kosi & Sen River.

Engraved by J. Swainson.



1. *Diplopterus pulcher* Gray nat size.
2. *Tetraodon lineatus* Gray Indian Ocean nat size.
3. *Cyprinus carpio* Cheira Hamilton Rivers of Bengal nat size.

Engraved by J. G. Smith



1. *Balitora Brucei*. Gray Mountain Stream, India.
2. *Balitora maculata*. Gray Mountain Stream, India.
3. *Cyprinus Goleya*. n. Mountain Stream, India.

Engraved by J. Swaine



1



2 a



2 a



3



2



4



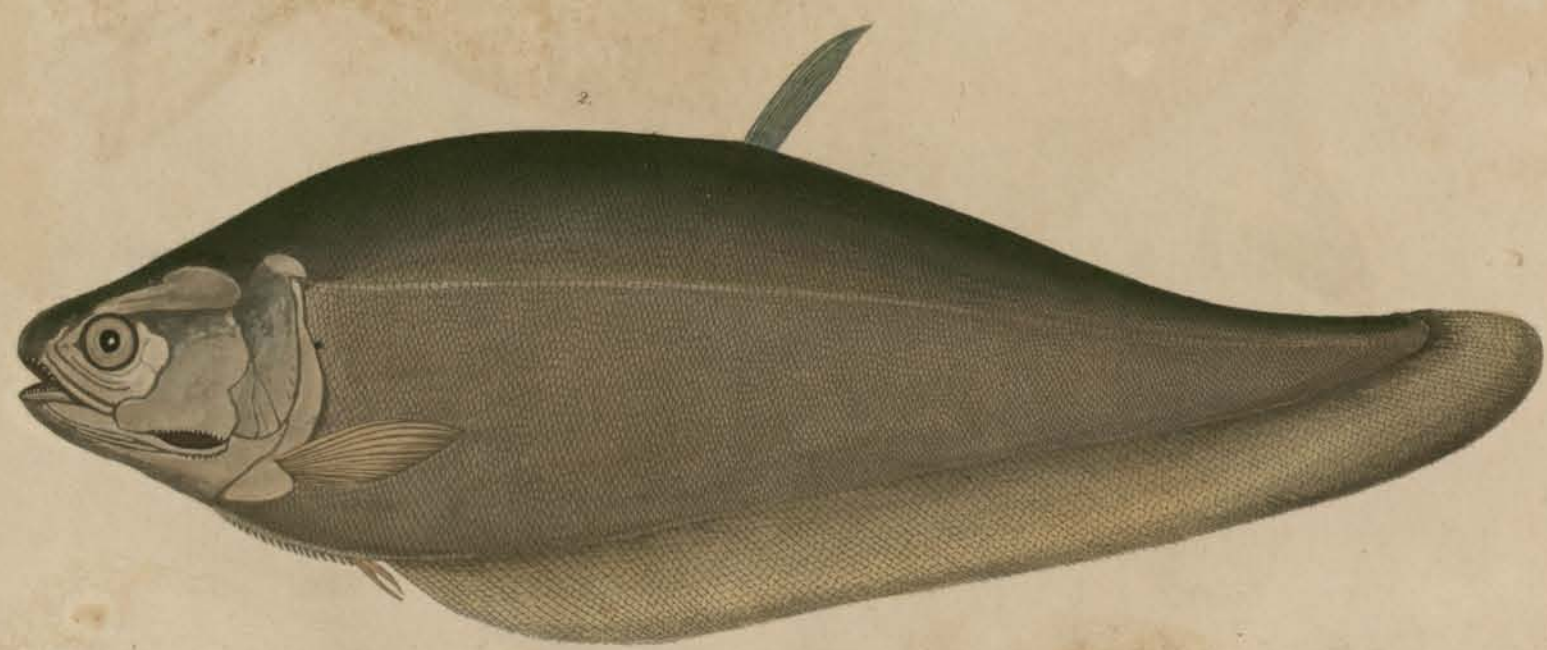
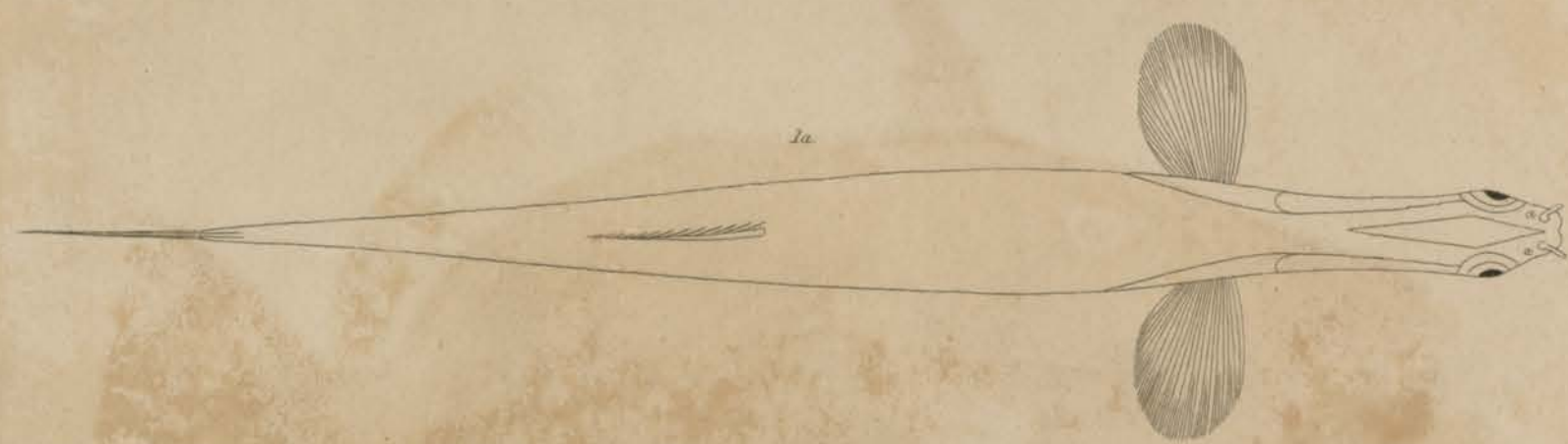
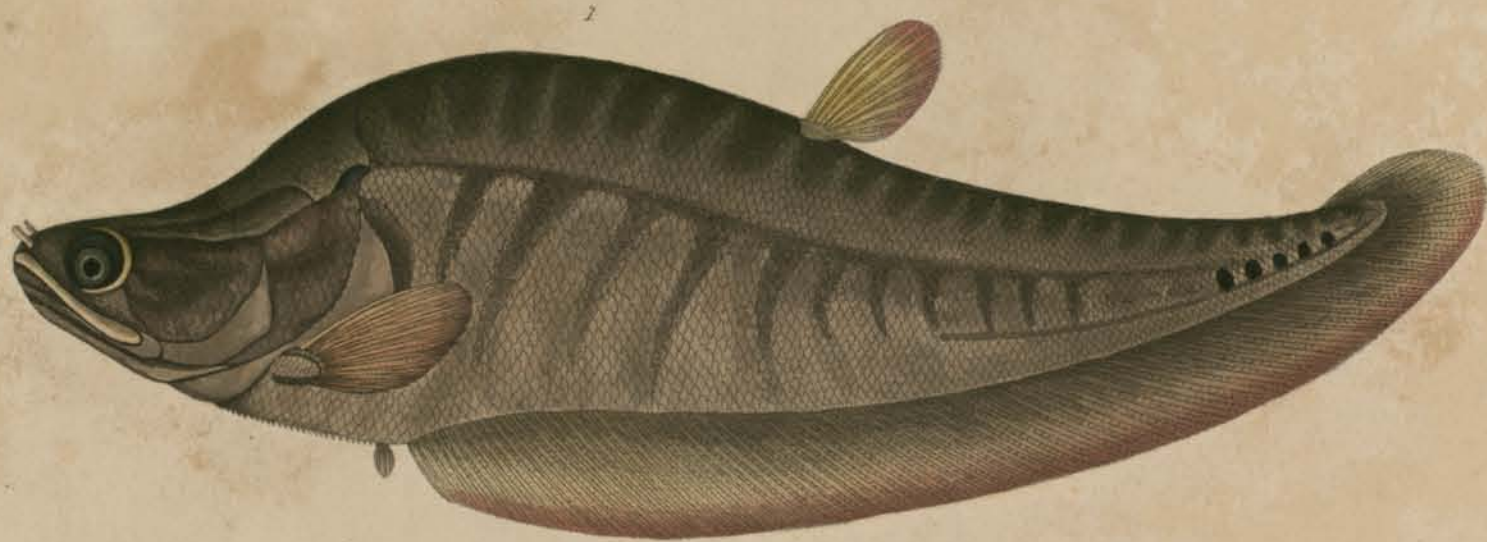
4 b

1. *Syngnathus Carce* Hamilton
2. *Syngnathus fasciatus* n. Amblynae
3. *Syngnathus Haridwickii* n. India
4. *Syngnathus Noekhalii* Hamilton, Salt Water Lake, Bengal.

Engraved by J. Leake

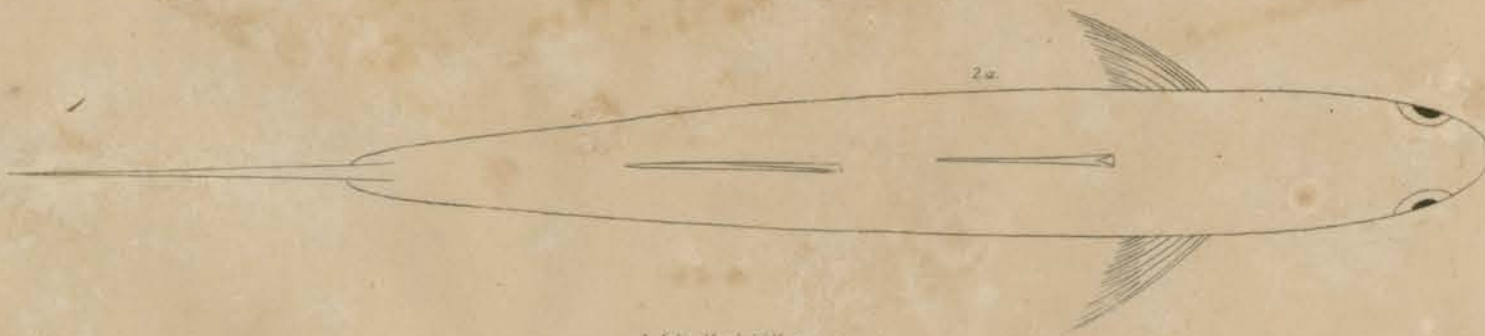
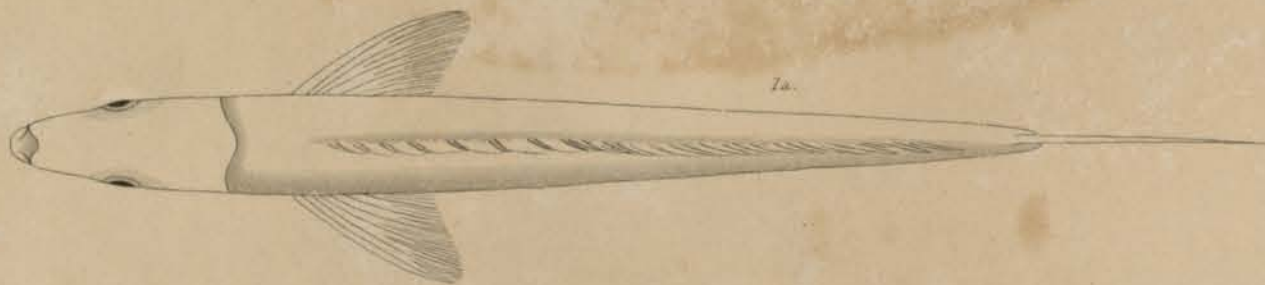


1. *Ballistes oculatus* n.
2. *Ambloplites* n.
3. *Gubarmatus* n.



Engraved by J. Swaine

1. *Mystus Chitula* Ham.
2. *Mystus Kariput* n.



1. *Surplus Hardwickei* n.
2. *Surplus Hardwickei* n.



1. *Cyprinus Mosul* Hamilt.
2. *Mowla Hamilt.*

Hamilt. and Kolt.

Published by Tinsell, White & Co. London.



- 1 *Cyprinus Tilsch. Hamun 276*
- 2 *Richardsonii Gray*
- 3 *Botia grandis Gray, Almerah, Birt mus.*

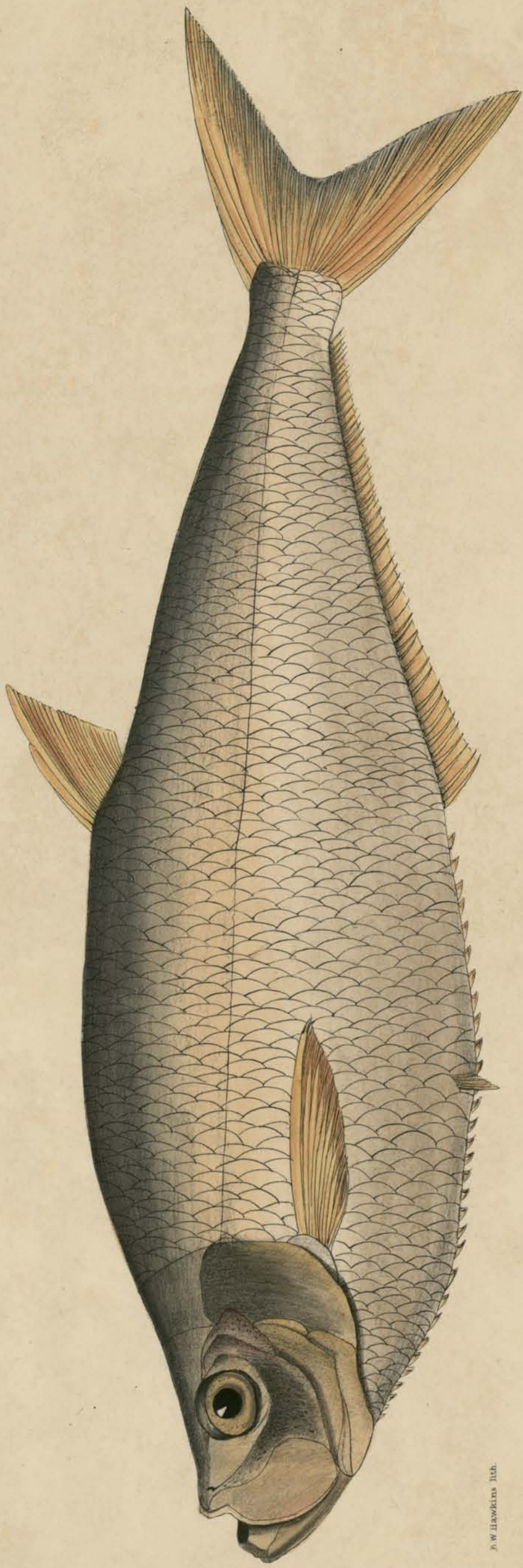
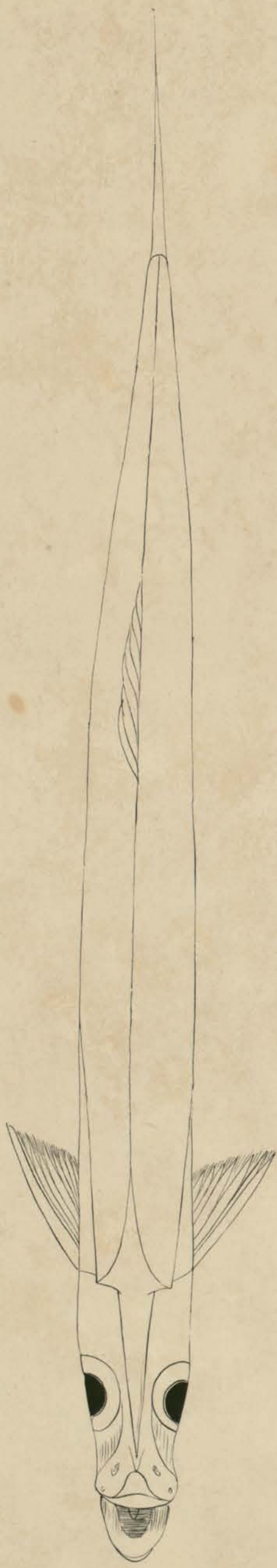


HW Hawkins del.

3. MORINGUA LINHARTS. n.
4. KATABOURA HARDWICKII. n.

1. OPHISURUS BOEO. Hamilton Mss.
2. OPHISURUS HURANOMA. Hamilton.
5. MURANA BENGALENSIS. n.

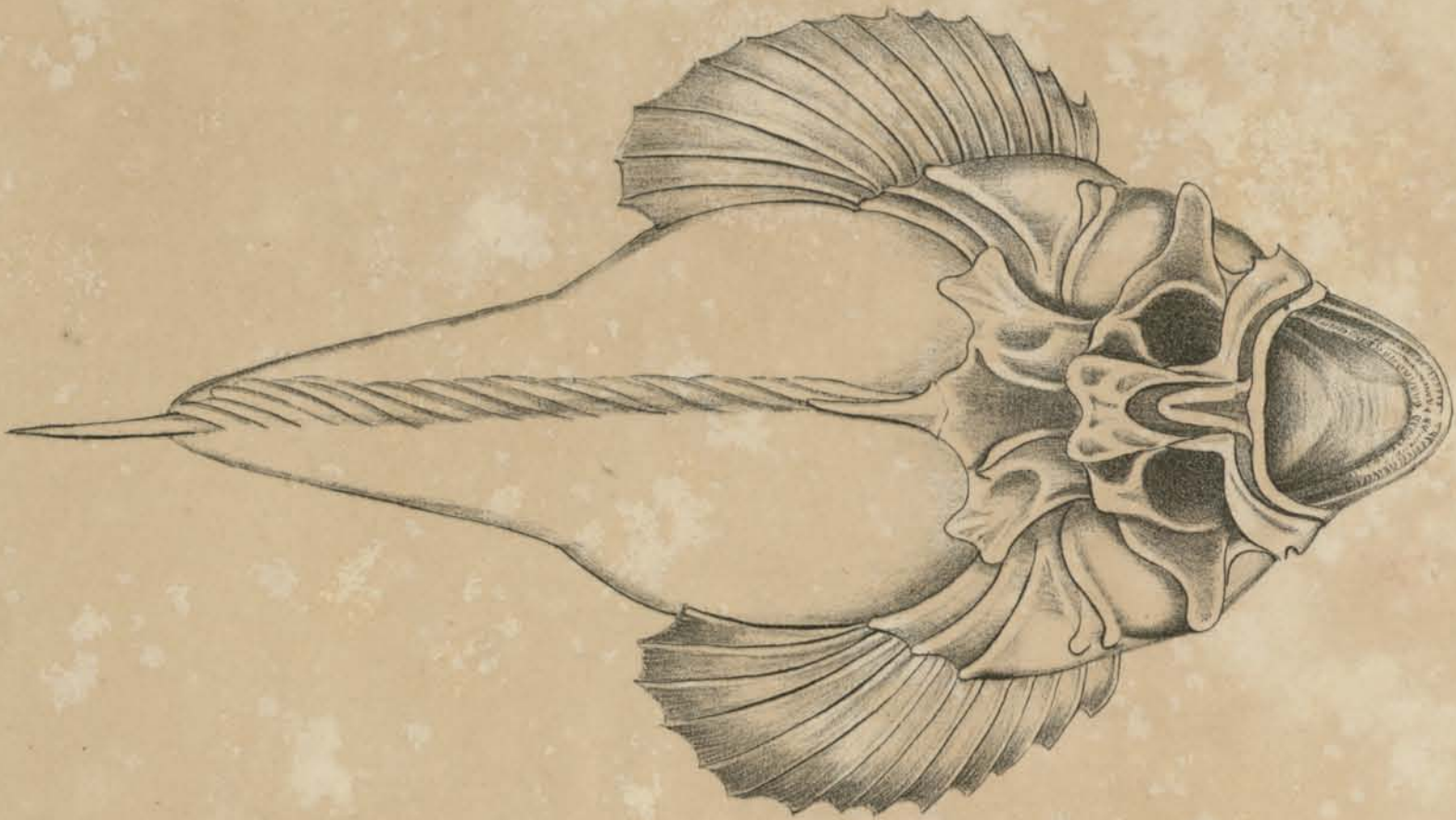
London: Pub. by Truettell, Morris & Co. Scho. Square.



J. W. Hawkins del.

CLUPEA AFFINIS ALLIED HERRING.
Panang.

Published 1829 by Parbury Allen & Co. London.
Printed by W. Day & Co. 34, St. Paul's Church-yard.



B. W. Hawkins lith.

DEFORMED HOG FISH. *SYNANCEIA GROSSA*.
Singapore.

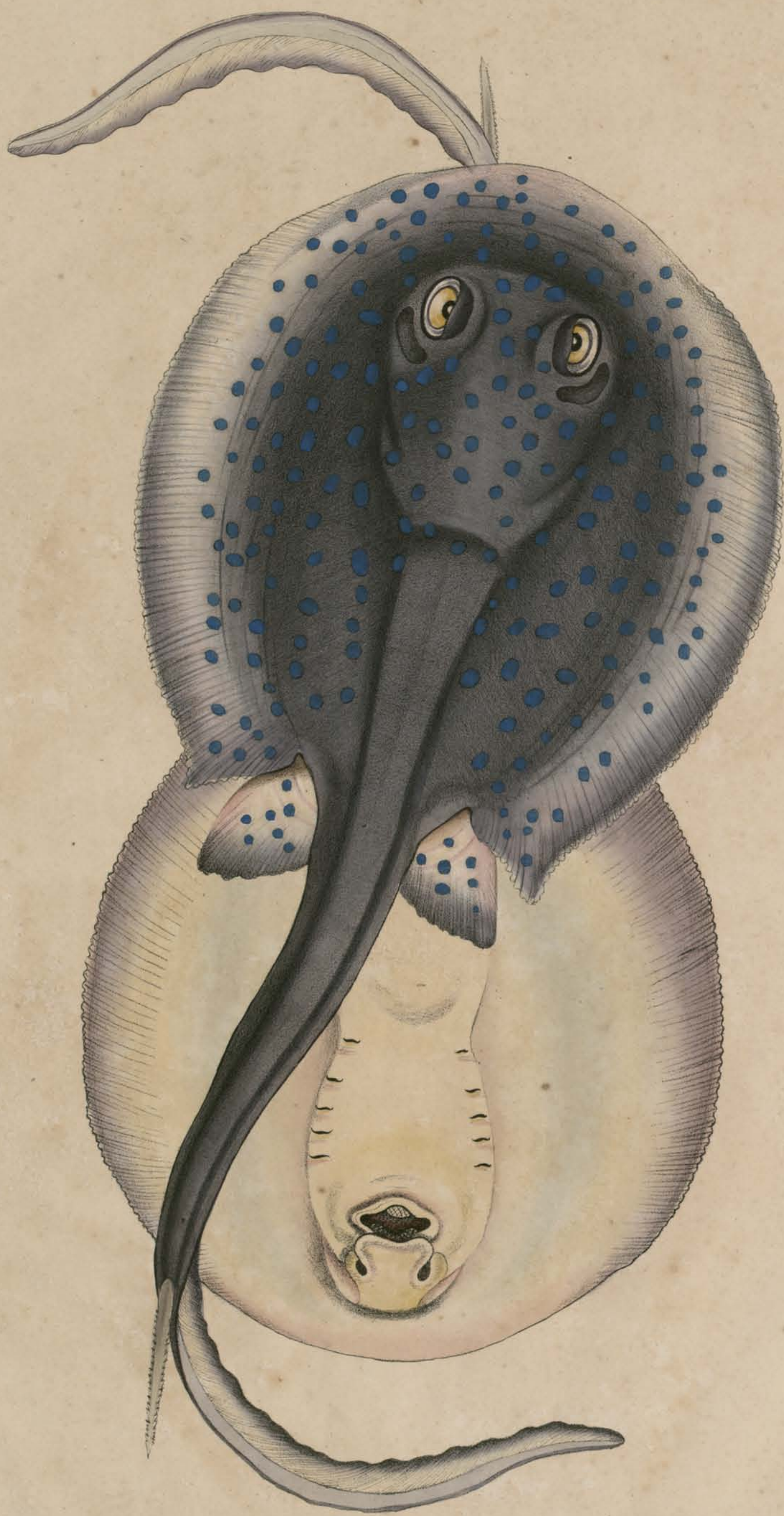
Published by Surrury Allen & Co. Leadenhall Street.
Printed by W. Day.



S. W. Henslow, lith.

1. SCYLLUM MACULATUM. A SPOTTED BEARDED SHARK. India. Mus. Brit.
 2. SCYLLUM ORNATUM. A ORNAMENTED BEARDED SHARK. China. Mus. Brit.

Engraved by Parbury Allen & Co. Colchesterhall Street.
 Printed by W. H. Day.



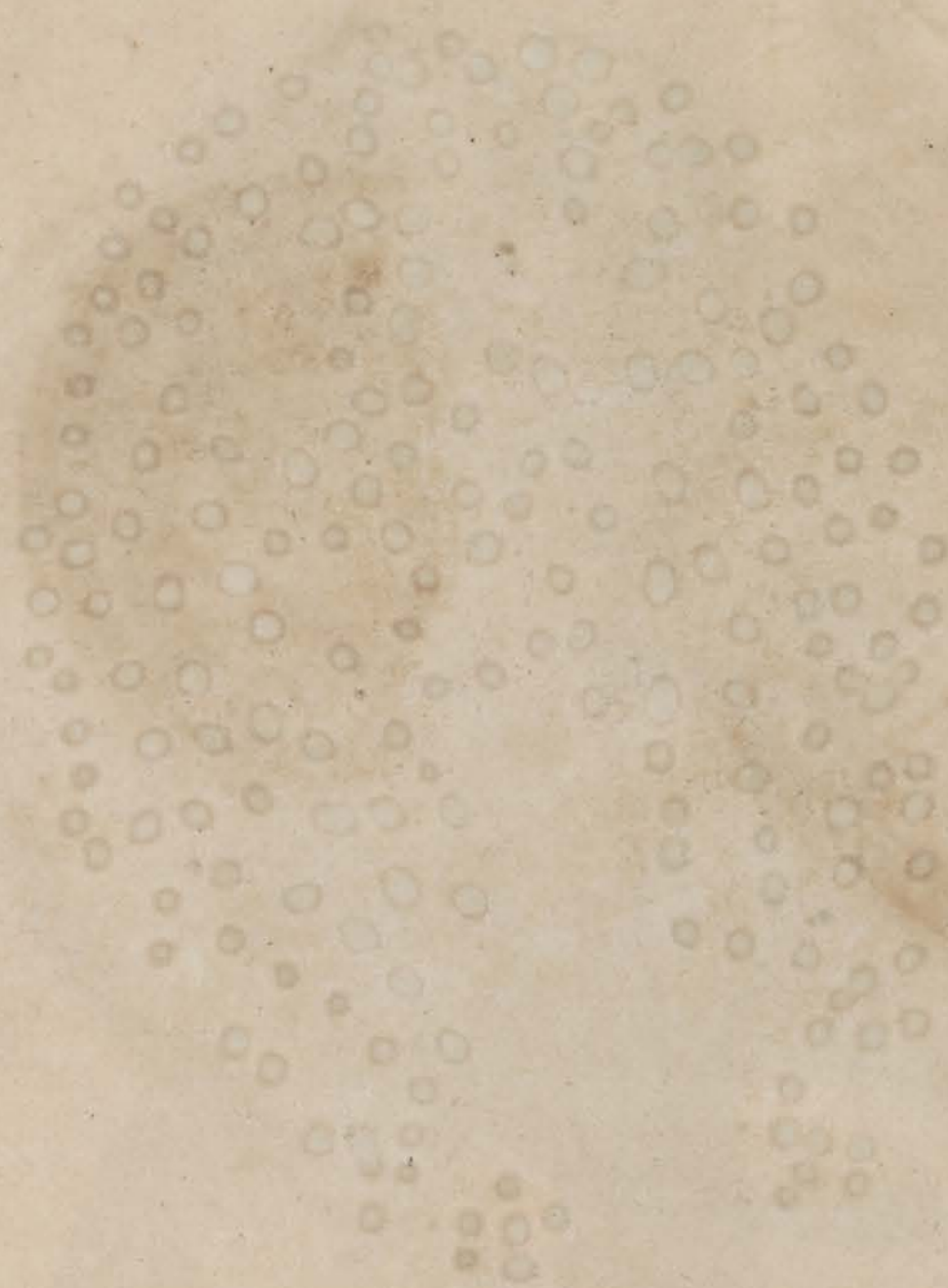
B.W. Hawkins lithog.

Printed by W. Day.

TETODON LINEATUS. n.

Singapore

Published 1829 by T. & A. Green, & C. Co. London.





2



3



B. W. Hawkins lith.



4

1. 2. AMMONITES NEPAULENSIS. n.
3. WALLICHII. n.
4. TENUISTNATA. n.

All from Sulgrances Nepaul.

Published 1829 by Darbury, Allen & Co. Leadenhall St. London.
Printed by W. Day 17 Gate Str.









MAJOR GENERAL HARDWICKE.

F.R.S. F.R.A.S. F.L.S. F.Z.S.

&c. &c. &c.

From a Portrait by J. Lucas.

Lithographed by Louis Haghe.

Published by Treuttel, Wurtz, & Co. Sack Square. Pichay & Allen, Leadenhall St. June 1851.

Day & Haghe Litho to the King 17, Gate Street.



W.B. Hawkins lithog.

DYSOPES MURINUS n. MURINE DYSOPES.
Bengal.

*Published 1829 by Parbury, Allen & Co. Leadenhall Street.
Printed by W. Day 17, Gate S.*



FELIS ORNATA-Gray
BEAUTIFUL CAT.

London: Published by Parbury and Allen, May 1st 1829
Printed by Engelmann & Co.



FELIS AFFINIS-Gray
ALLIED CAT.

*London Published by Parbury & Allen May 1st 1829
Printed by Engelmann & Co.*



1/2 Nat. Size

BENGAL CIVET, n. VIVERRA BENGALENSIS.
Most Part of Bengal.

*Published by Parbury Allen & Co. Leadenhall Street.
Printed by W. Day*



D. W. Henslow del.

Printed by Engelman & Co.

VIVERA FUSCA.-GRAY
BROWN LONG NOSED CIVET.

London, Published by Forbury & Allen, May 1st 1849.



MYDAUS COLLARIS Gray. COLLARED CIVET BEAR.
India. Bali Saur, of the Hindoos.

Examined 1829 by Anthony Allen & C^o London & C^o Bristol.
Printed by W. Day.

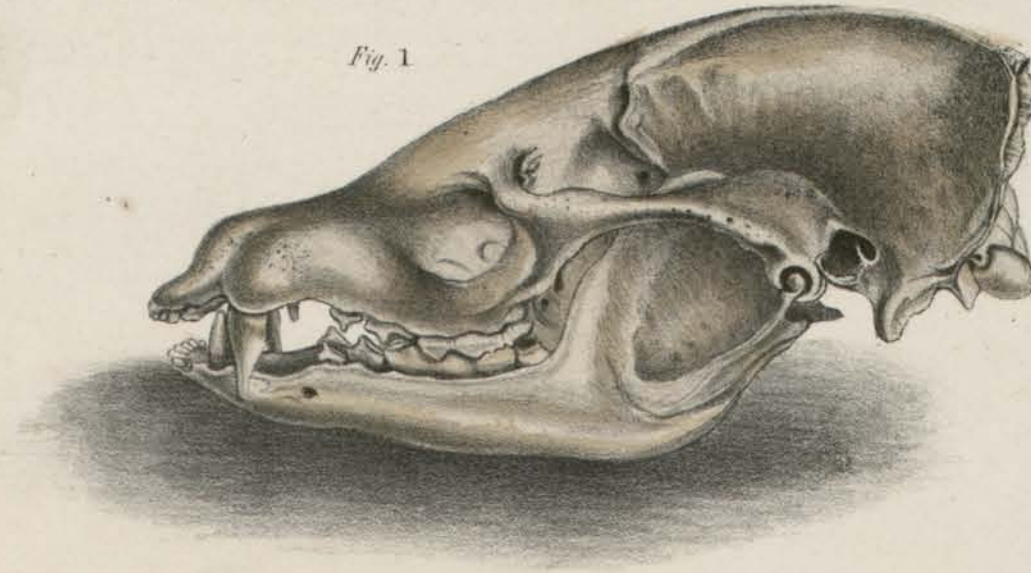


Fig. 1.



Fig. 2.

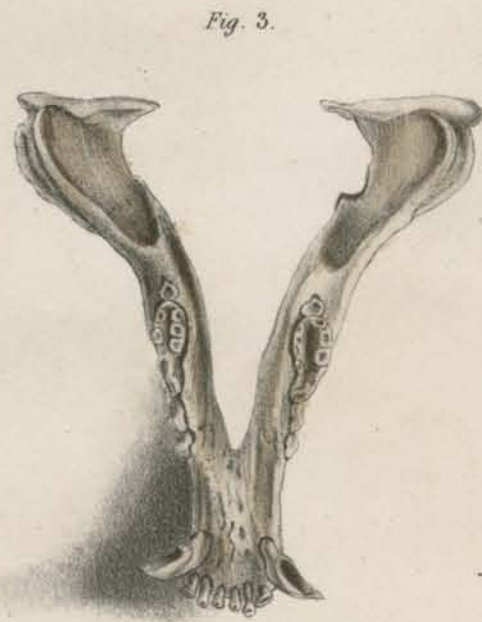


Fig. 3.



Fig. 4.

MYDAUS COLLARIS.—Gray
COLLARED CIVET BEAR.

Published by Furbury & Allen, London, May 1st 1829.
Printed by Engelmann & Co.

3/4 Nat. Size.



ERINACEUS COLLARIS. COLLARED HEDGE HOG.
Doab.

*Published 429 by Barbary Allen, & Co. Leadenhall Street.
Printed by W. Day, 17, Gate St.*



B. W. Hawkins del.

SOREX MYOSURUS.-Pallas. MUSK SHREW.
BENGAL.

Printed by Engemann & Co.

Published June 1, 1829, by Parbury Allen, & Co. Leadenhall Street London.



B.W. Hawkins Lithog.

GERBILLUS INDICUS, Desm. INDIAN GERBOA RAT.

Published 1829 by Purday Allen & Co. Leadenhall Street.
Printed by W. Day, 17, Gate Street.



ARVICOLA INDICA: Gray.
INDIAN FIELD MOUSE.

*Published by Parbury & Allen, London, May 1, 1829.
Printed by Engelmann & Co.*



INDIAN ANTELOPE. ANTELOPE CERVICAPRA. Lin.

1. Young in Month of January 1822. Antelope lolineata Linn Mss. 2. same Individual in end of Oct. 1825. 3. Adult.

Published 1829 by Fawcett Allen & Co. London. W. & A. G. & Co. London.
Engraved by W. Day.



Printed by W. Day.

INDIAN ANTELOPE, ANTELOPE CERVICAPRA. Lin.
India.

1...Young. 2...Adult.

Published 1828 by Parbury Allen & Co Leadenhall Street.



Drawn & lith. by Waterhouse Hawkins.

Printed by Enslin & Co.

WHITE BACKED VULTURE. *VULTUR LEUCONOTA.*



Drawn & litho. by Waterhouse Barkin.

Printed by Engelmann & Co.

BENGAL VULTURE. VULTUR BENGALENSIS (Lath) 1. HEAD OF VULTUR PONDICERIANUS. 2. HEAD OF VULTUR MONARCHUS.

half the natural Size from living Specimens.



WHITE DOTTED EAGLE. AQUILA PUNCTATA.

Cawnpore $\frac{3}{4}$ Nat. length.

Drawn & Engr'd by W. Hawkins.

Printed by Engelmann & Co.



WHITE BANDED EAGLE.
AQUILLA BIFASCIATA.
 $\frac{2}{3}$ Nat-length Cawnpore March 1802.



Drawn & lith. by Waterhouse Hawkins.

Printed by Engelmann & Co.

LINED FISHING EAGLE. HALIAETUS LINEATUS Gray.



Drawn & lith. by Waterhouse Hawkins

Printed by Engelmann & Co.

PLAIN FISHING EAGLE. HALIAETUS UNICOLOR. Gray.



J. E. Hawkins del.

STRIX COROMANDRA. Lath COROMANDEL OWL. Lath Coromandel.

Published 1829 by Forbster, Allen & Co. London Wall Street.
Printed by H. B. 1129.





Drawn from Nature & on Stone by Waterhouse Hawkins

Printed by Engelmann & Co

ALMORAH JAY. GARRULUS VIGORSII.
Nat. Size



Fig. 1 GARRULUS GULARIS. Nob. GULAR JAY.

Fig. 2 GARRULUS ORNATUS. Nob. BEAUTIFUL JAY.
ALMOERH. Nat. Sig.



Drawn from Nature & on Stone by Waterhouse Hawkins

Printed by Engelmann & Co.

KITTA VENATORIUS. Nob HUNTING CROW. Lath Hist



B. W. Hawkins: lith.

PICA VAGABUNDA. Weigler. RUFOUS MAGPIE.
Kereyli. Natives of Calcutta.

Published 1829 by Zachary Allen & Co. Leadenhall Street.
Printed by W. Day.



1. W. Hawking, *ibid.*

PICA GINENSIS. CHINESE MAGPIE.
India.

Published 1829 by Parbury Allen & Co Leadenhall Street.
Printed by W. Day.



SMALL PARADISE BIRD. PARADISEA MINOR.

Drawn from a living specimen in the aviary of Mr. Beale, at London.

Printed by Longman & Co.



B.W. Hawkins del.

CENTROPUS VIRIDIS n. VIRIDIS CUCKOO.
Lath. H.

Published 1829 by Parbury Allen & Co. Leadenhall Street.
Printed by W. Day.



Drawn from Nature by John G. Bourne

Printed by Engelmann, N.Y.

1. PICUS DIMIDIATUS Temm ALMORAE WOODPECKER. 2 PICUS RUFUS. Lath. RUFUS INDIAN WOODPECKER. Lath.



Drawn from Nature & on Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

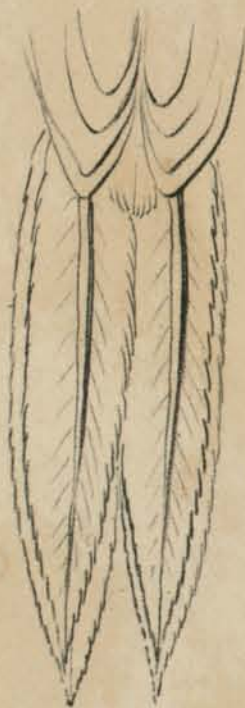
1. PICUS MINIATUS Forst CRIMSON WOODPECKER 2. PICUS TIGRIS Horst INDIAN 3. TOED WOODPECKER. a2. HEAD OF FEMALE.



2



a 2



Drawn from Nature & on Stone by Waterhouse Hawkins.

Printed by Englemann & Co

1, PICUS NEPAULENSIS Nob NEPAUL WOODPECKER.

2, PICUS BARBATUS Nob MOUSTACHE WOODPECKER.



B.W. Hawkins del^o

PICUS MACUL. LESSER SPOTTED WOODPECKER.

1 Male. — 2 Female. — 2 a Wing — 2 b. Tail.

Pub^d by Treuttel & Wurtz Soho Square.



1. PICUS MOLLUCCENSIS. Lath. BROWN WOODPECKER. Lath.
a. Male. b. Female

2. PICUS MAHRATTENSIS. Lath. MAHRATTA WOODPECKER.
a. Male. b. Female



1. CAPRIMULGUS INDICUS Lath. INDIA GOAT-SUCKER.

2. CAPRIMULGUS ASIATICUS Lath. BOMBAY GOAT-SUCKER.



W.B. Hawkins lithog.

Printed by W. Day 17, Gt. St.

1. BALASSIAN SWIFT. *CYPSELUS PALMARUM*. n. - 2. *CYPSELUS AFFINIS*. n. - 3. ALLIED SWIFT. 3. CHINESE MARTIN. Lath. *HIRUNDO CHINENSIS*. n.

1.a Male. 1.b Female. (1.c. 1.d.) Young & Nest on Palm Leaf.

Published 1829, by Parbury, Allen & Co. Ludenhall Street.



Drawn & lith. by Waterhouse Hawkins

ARGUS PHEASANT HEN. ARGUS PAEONINUS ♀
China 2/3 Nat. length

Printed by Engelmann & Co.



HARDWICKES POLYPLECTRON — POLYPLECTRON HARDWICKII Gray.

India, $\frac{3}{4}$, nat size.

1. Dorsal feather of *P. Hardwickii*

2. D^e D^e *P. Bicalcaratum*.

Printed by Engelmann & Co.



Drawn & lith'd by Waterhouse Hawkins.

Printed by Engelmann & Co.

LINEATED PEACOCK PHEASANT. POLYPLECTRON LINEATUM Gray.

China $\frac{3}{4}$ nat Size.



on Stone by P.W. Hawkins from a Chinese Drawing.
made under the inspection of Mr. Reeves from a living Bird.

PHASIANUS REEVESII. n. REEVES'S PHEASANT.
China.

Published 1st June 1829 by Parbury, Allen & Co. Leadenhall Street.
Printed by W. Day 17. Gate St.

About 3 Not. 1830.



E. W. Edwards del.

Printed by Engelmann & Co.

PHASIANUS PUCRASIA n. PUCRAS PHEASANT, Lath.
ALMORAH WELLS, CALLED PUKRAS

Published June 1, 1829, by Parbury, Allen, & Co. Leadenhall St. London



W. B. Hawkins lith.

$\frac{1}{2}$ Nat. Size.

LINEATED PHEASANT Lad. PHASIANUS HAMILTONII Gray MALE.
Rhalidgo Nepaulese Nepaul.

*Published 1829 by Fackney, Allen & Co. Leadenhall Street.
 Printed by W. Day 17, Gate Street.*



W. B. Hawkins lith. Printed by W. Day 17, Gate St.

PHASIANUS PURPUREUS n. PURPLE PHEASANT-PENANG.
Phasianus Erythroptalmus q Raffles!

Published 1822 by Parbury, Allen & Co. London.





MALABAR COCK Lath. Hist.
GALLUS GIGANTEA Temm

A nat. Size

Drawn & lith by Waterhouse Hawkins.

Printed by Engelmann & Co.





Drawn & lith. by W. Hawkins.

Printed by Engelmann & Co.

BLACK HEADED HORNED PHEASANT. SATYRA MELANOCEPHALA.
Adult male.



Drawn & lithog. by Waterhouse Hawkins.

Printed by Engelmann & Co.

BLACK HEADED PHEASANT male PHASIANUS? MELANOCEPHALUS.



Printed by Engelmann del.

BLACK HEADED PHEASANT female PHASIANUS? MELANOCEPHALUS. ♀

Drawn & lith'd by W. H. Bennett.



Drawn & lith. by Waterhouse Hawkins

PENNANT'S HORNED PHEASANT. SATYRA PENNANTII.

Printed by Engelmann & Co.



Drawn & Col. by Waterhouse Hancock.

Printed by Engleman & Co.

CHINESE HORNED PHEASANT. SATYRA TEMMINCKII male.

$\frac{3}{4}$ Nat. length



Drawn & litho. by Waterhouse Hawkins.

Printed by Engelmann & Co.

BENGAL HORNED PHEASANT. SATYRA LATHAMI.



B. W. Hawkins lithog.

CURRIA PARTRIDGE, - FERDIX HARDWICKII. Gray.

India. Nat. Size.

Published 1829, by Parbury, Allen & Co. Leadenhall Str.

Printed by W. Day 17, Gt. St. St.



Drawn by Waterhouse Hawkins.

Engraved by D. J. Bennett & Co.

1. CONCENTRIC FRANCOLIN (female) *PERDIX CONCENTRICA*. 2. JAVANESE PEACOCKS (Head)



B. W. Hawkins lithog.

CHUCKAR PARTRIDGE.

Perdix Chukar Gray. India. Nat. size.

Published 1829 by Parbury Allen & Co. Leadenhall Street.

Printed by W. Baylis & Co. 25



On Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

1. HEPBURNS FRANCOLIN PERDIX HEPBURNII 2. PERDIX HEPBURNII var PALLIDA ODYPORE.



On Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

1. WOOD PARTRIDGE) PERDIX GULARIS (Temm) 2. ORIENTAL PARTRIDGE PERDIX ORIENTALIS (Lath Hist.)



PERDIX OLIVACEA n OLIVE PARTRIDGE LathH
India

Published 1829 by Parbury Allen & Co. Ludenhall Street.
Printed by W. Day 11. Gate Street.



Nat. size.

B.W. Hawkins lithog.

PERDIX OCULEA Ternna — EYED PARTRIDGE.
Bengal.

Printed by W. Day, 17, Gate Street.

Pubd. 1828 by Parbury, Alcock & Co. Londonhall St.



Drawn & lith. by Waterhouse Hawkins.

Printed by Englehorn & Co.

EDWARDS'S BUSTARD. OTIS EDWARDSII.

$\frac{1}{2}$ Nat. length



On Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

MARbled BUSTARD OTIS MARMORATA.



Drawn & lith. by Waterhouse-Banks.

Printed by Engelmann & Co.

DELICIOUS BUSTARD male OTIS DELICIOSA.

$\frac{2}{3}$ Nat. length.



Drawn & lith. by Waterhouse Harrison

Printed by Agnew & Sons

DELICIOUS BUSTARD. OTIS DELICIOSA.

$\frac{2}{3}$ Nat length.



B. Waterhouse Hawkins. Lith.

SPUR WINGED PLOVER. Lath. CHARADRIUS VENTRALIS. Wagler.

Cawnpore
1. Male 2. Female

Published 1829 by Parbury Allen & Co. Leadenhall Street.
Printed by W. Day.



CICONIA (MYCTERIA) AUSTRALIS, Lath. TETAAR JABIRU, Lath.
PUTTEGHUR, INDIA

London. Published Sept. 1829, by Parbury, Allen & Co. Leadenhall St.



Drawn & lit. by Waterhouse Hawkins

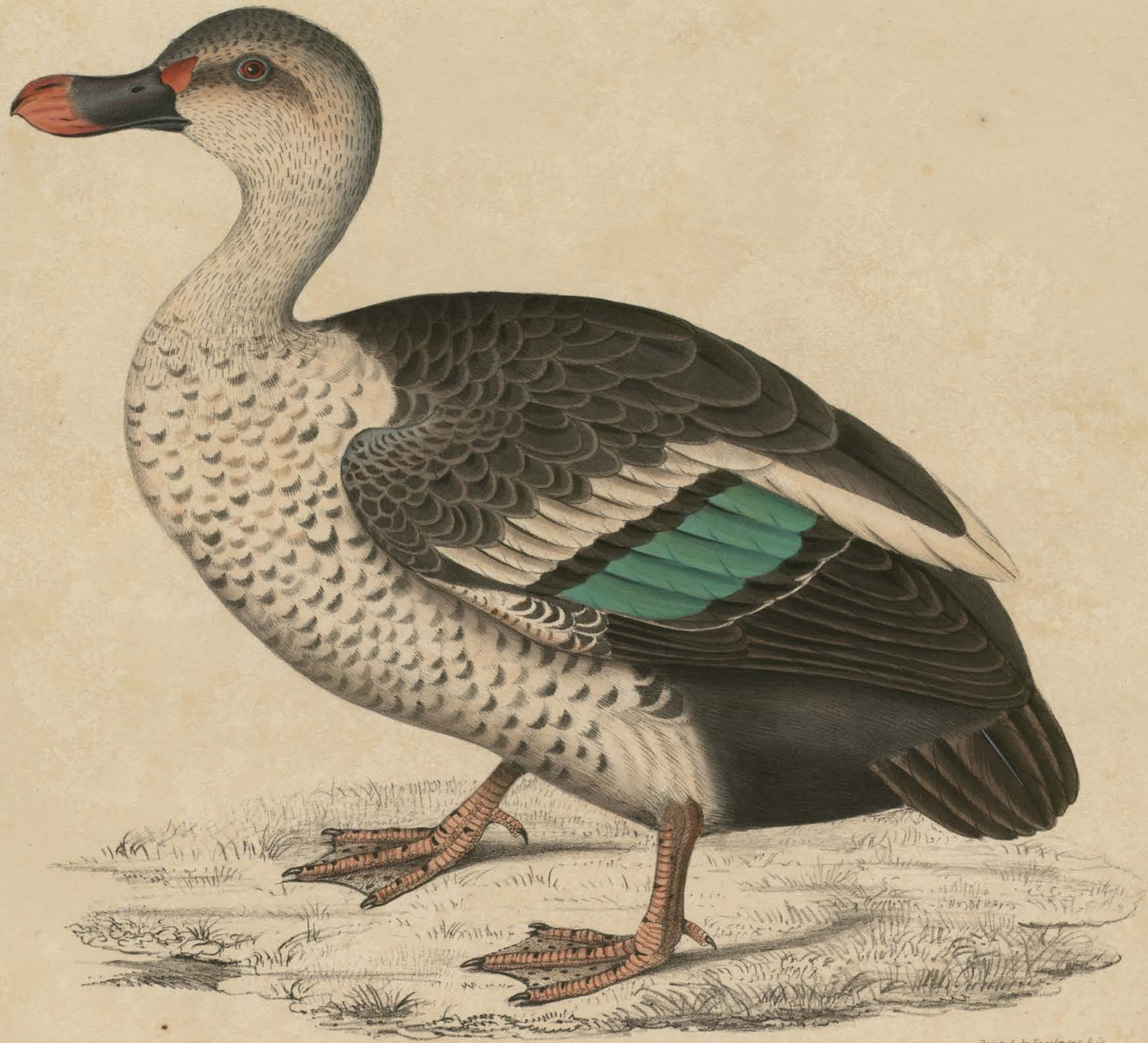
Printed by Engelmann & Co

INDIAN WHITE HERON. ARDEA ORIENTALIS.



1. ARDEA CINNAMOMEA, Lath. CINNAMON HERON. Young. Futchgbur.

2. YELLOW NECKED HERON. Lath. ARDEA FLAVICOLLIS, Wagler



Drawn & lith. by Waterhouse-Gent.

Printed by Engelmann & Co.

SPOTTED BILLED DUCK Lath. Male ANAS POECILORHYNCHA Lath.



B. Waterhouse Hawkins Lith.

Printed by W. Day

GIRRA TEAL. Lath. ANAS GIRRA. n.

1. Male

2. Female

Published 1829 by Harbury Allen & Co. Leadenhall Street



B.W. Hawkins litho.

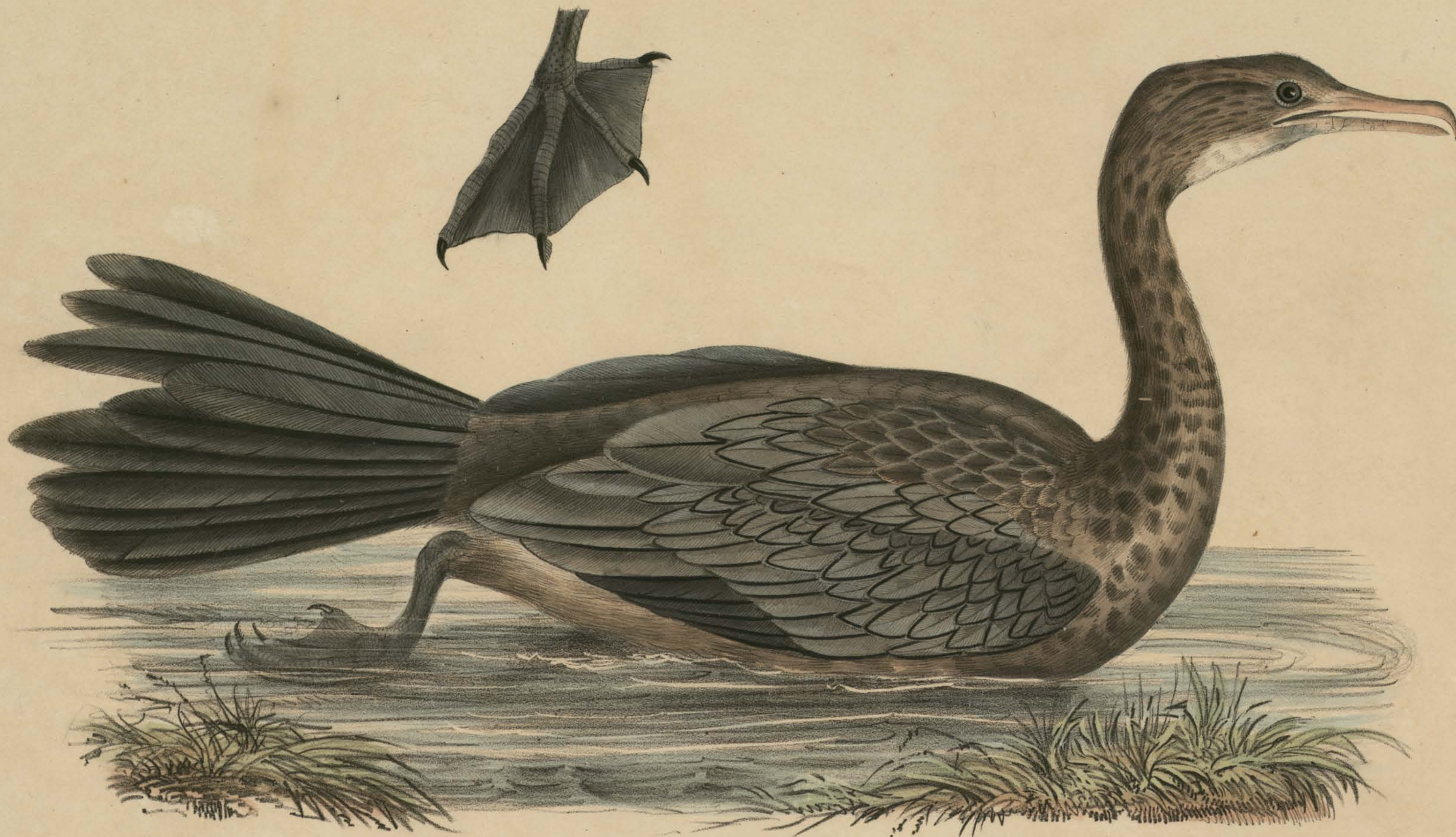
1. WAVED TERN. Lath H. — STERNA BREVIROSTRIS. Nob.

2. ORANGE BILLED TERN. — STERNA AURANTIA. Nob.

London: Pubd. by B. Wallis, W. & C. 5, Old Bailey.



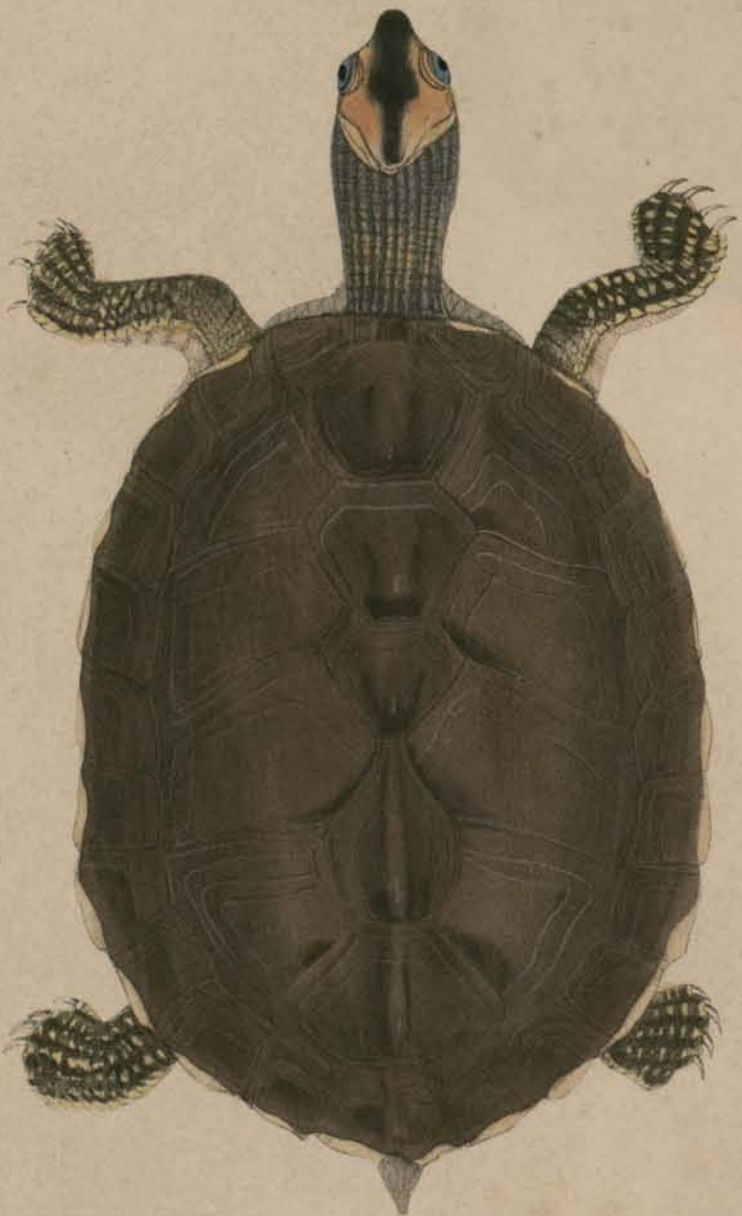
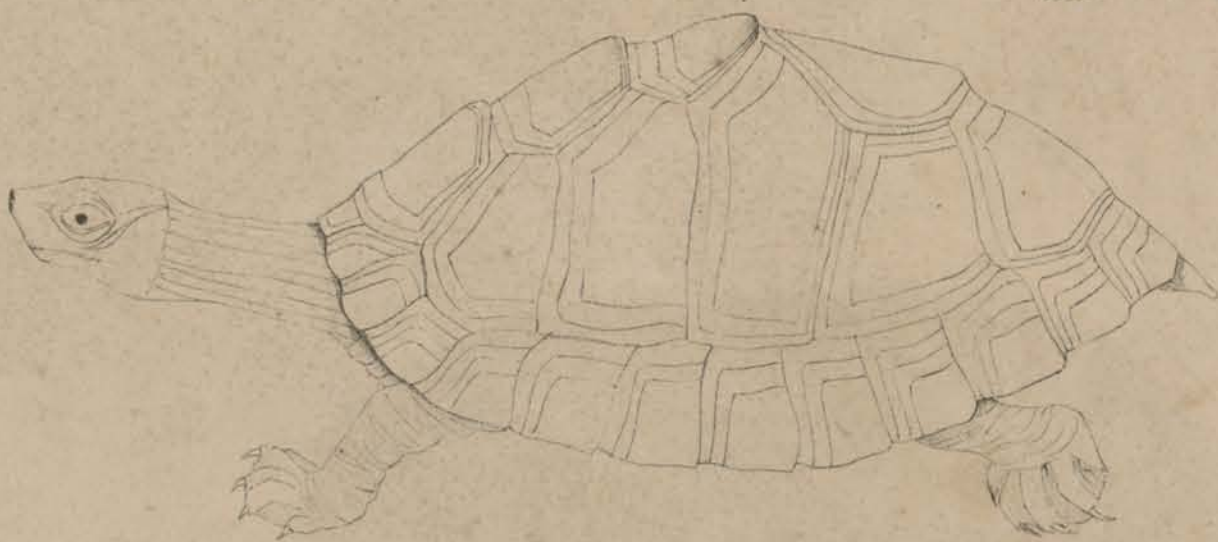
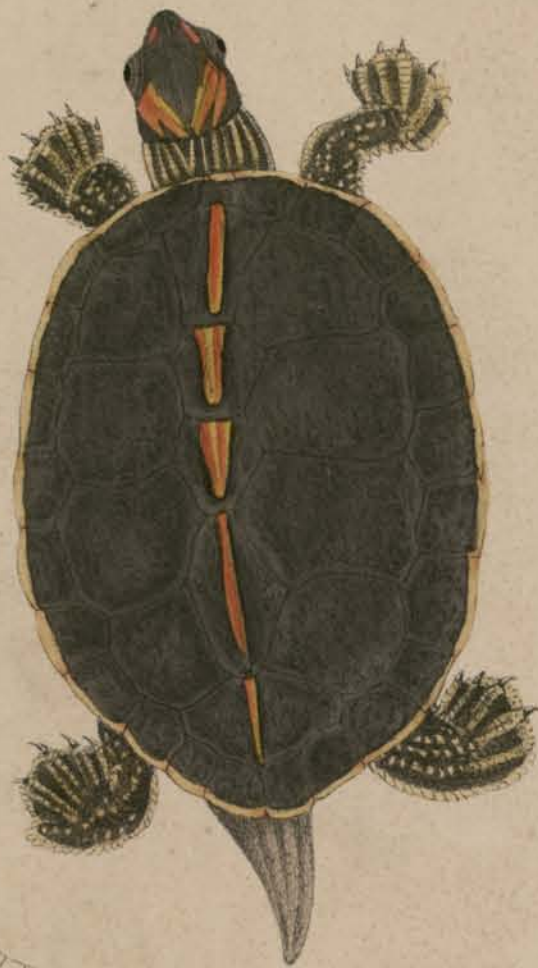
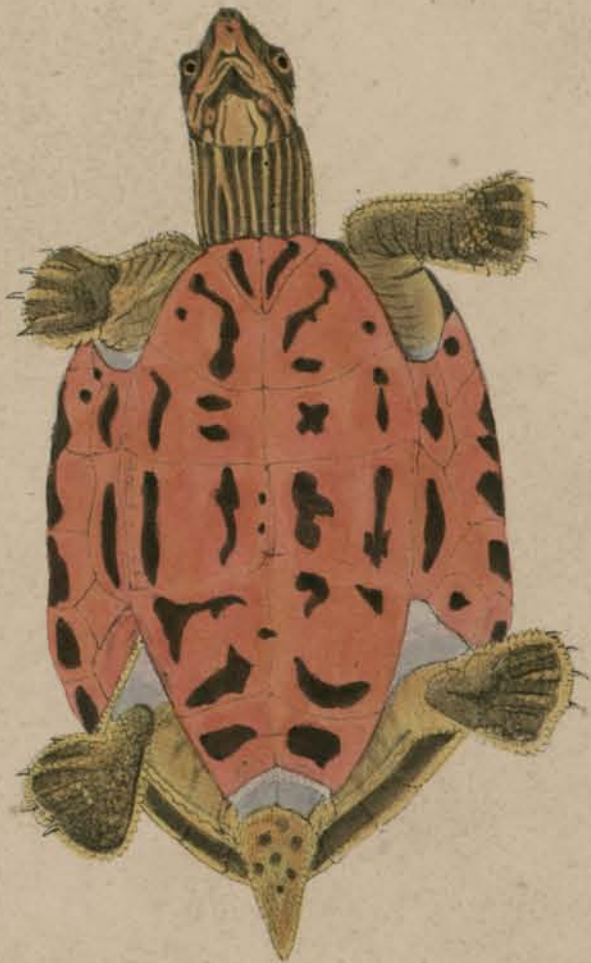
1. JAVAN TERN. Lath. STERNA JAVANICA Horsf (female).
 2. ALLIED TERN. STERNA SIMILIS. Nob.
 3. BROWN BELLED TERN. Lath. STERNA ACUTICAUDA nob. (male.)
 all from Ceynpore. — of the Natural Size.



On Stone by Waterhouse Hawkins.

Printed by Engelmann & Co.

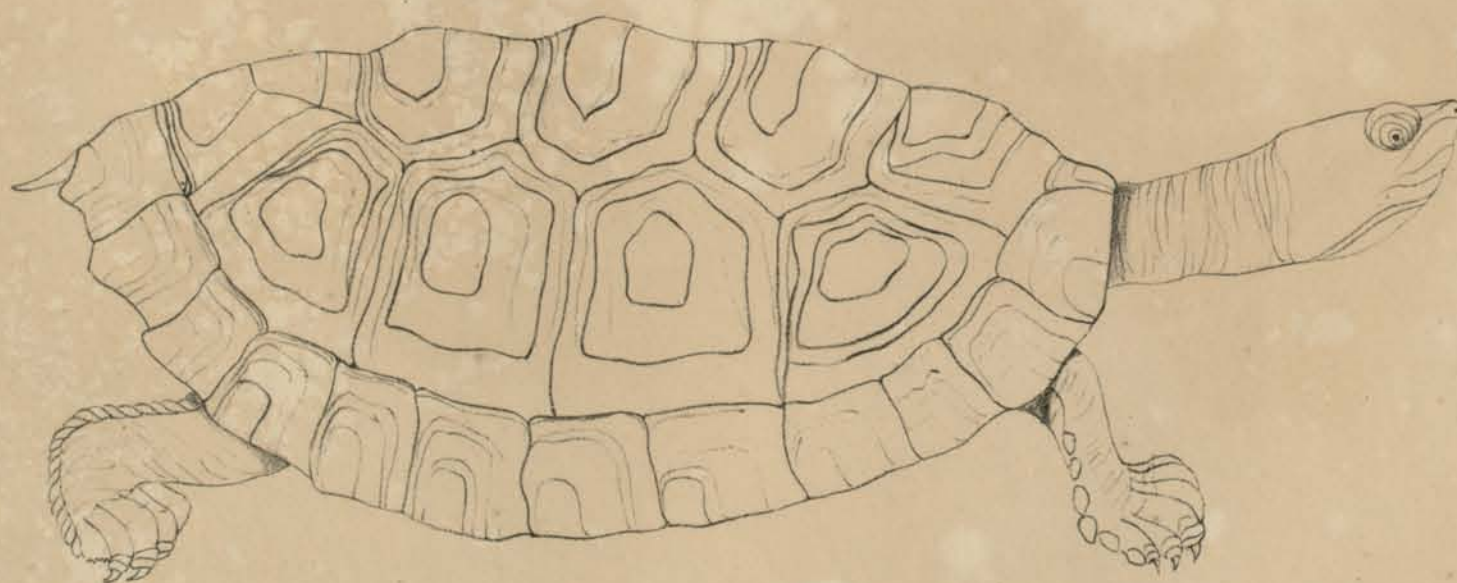
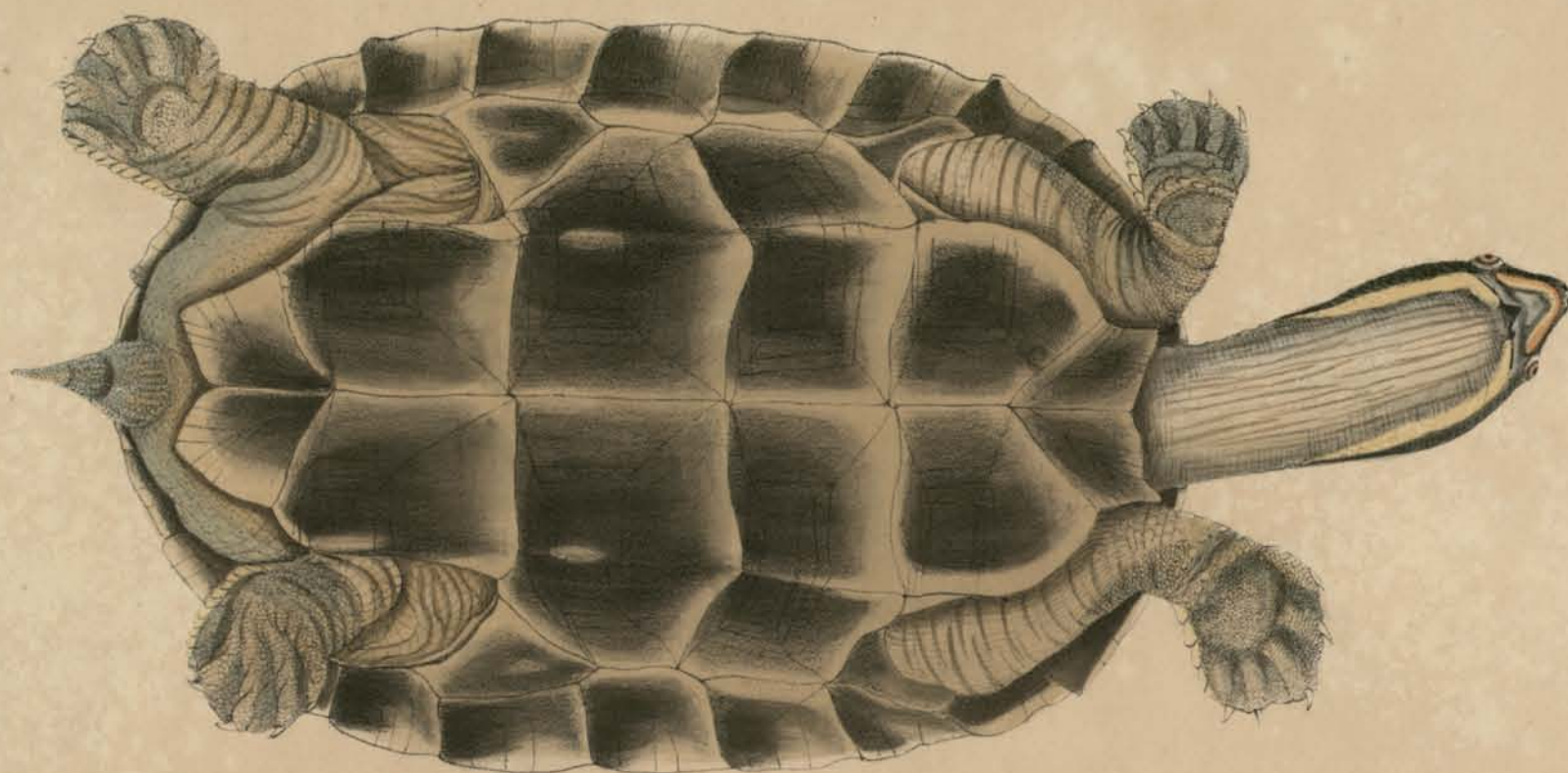
CRABO JAVANNICA (Horsf) JAVAN CORMORANT.



B. W. Hawkins. lith.

EALED TERRAPIN. *EMYS TECTUM*. Bell Mjs.
From D^r Buchanan Hamiltons Drawings
India.

Published by Leach & Co. Leadenhall Street.
Printed by W. Day.

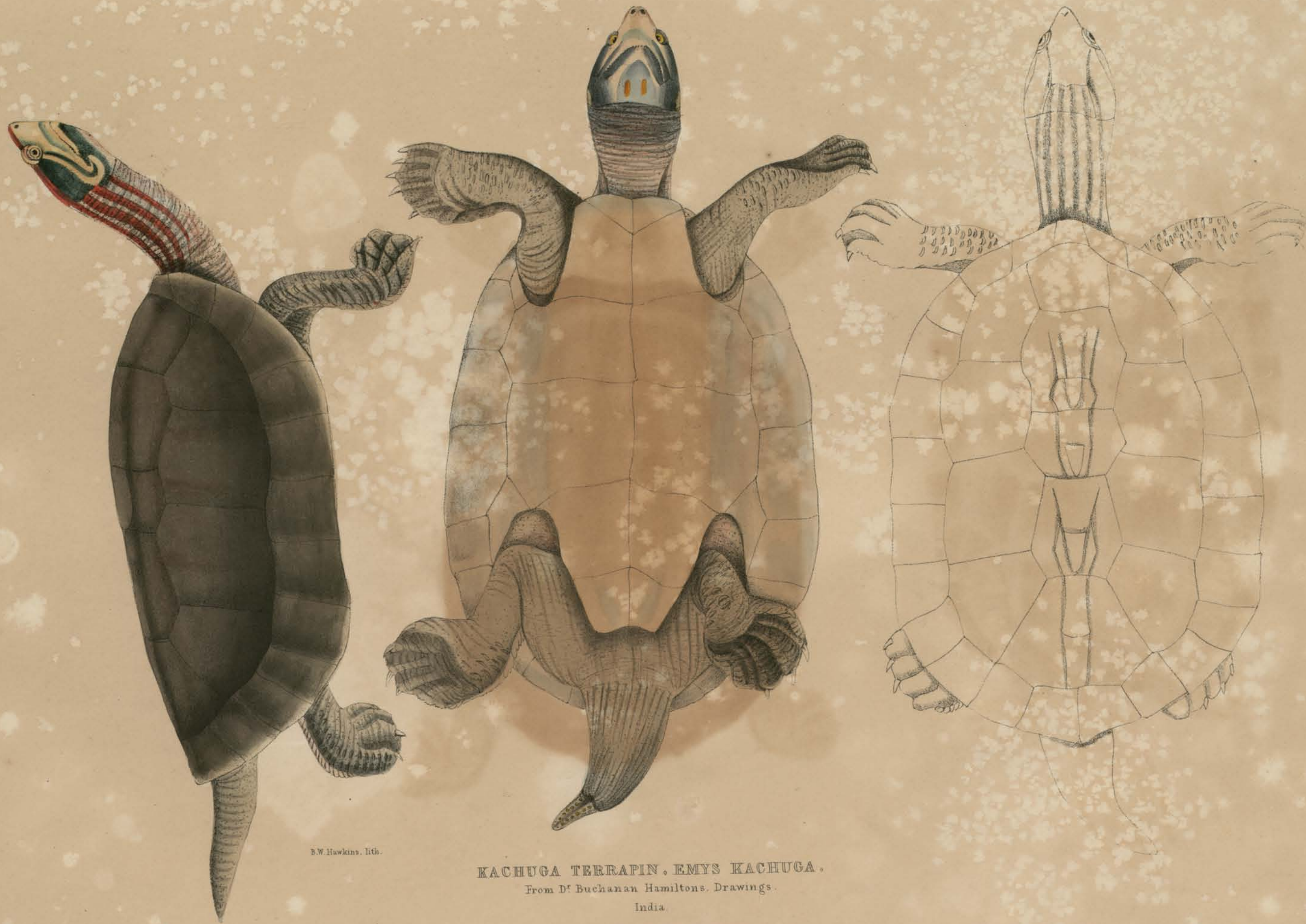


THUJI TERRAPIN. n. EMYS THUJIN.

From D^r Buchanan Hamilton's Drawing.

Published by Barbary Allen & Co. Londonhall, St^r.

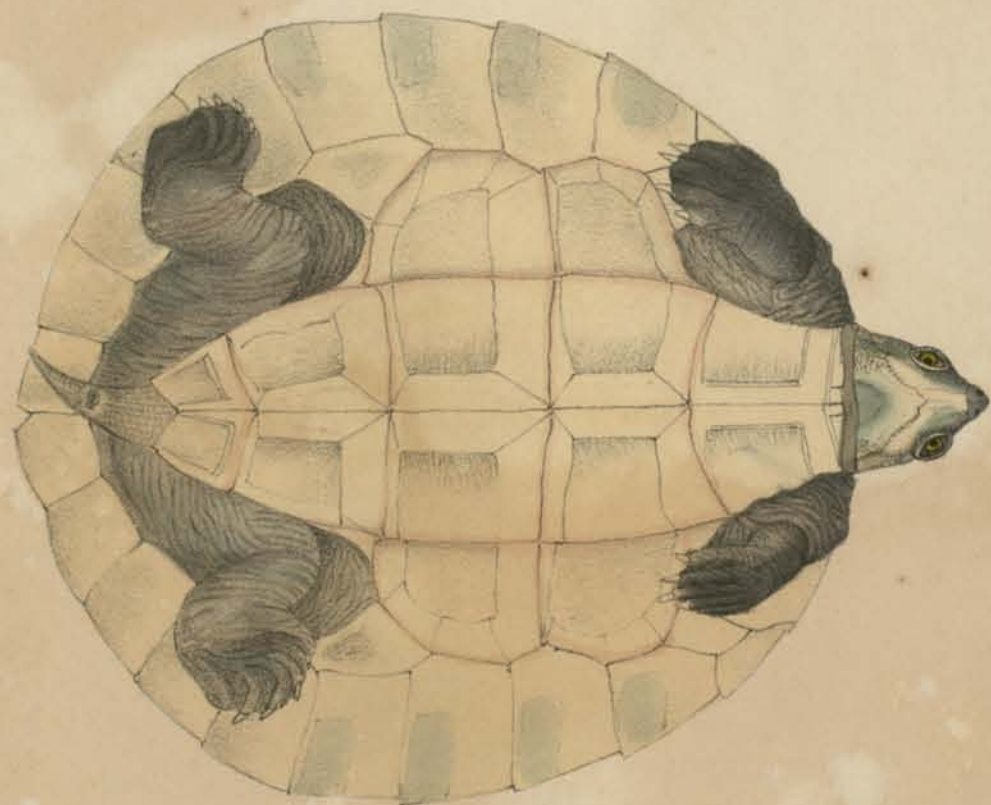
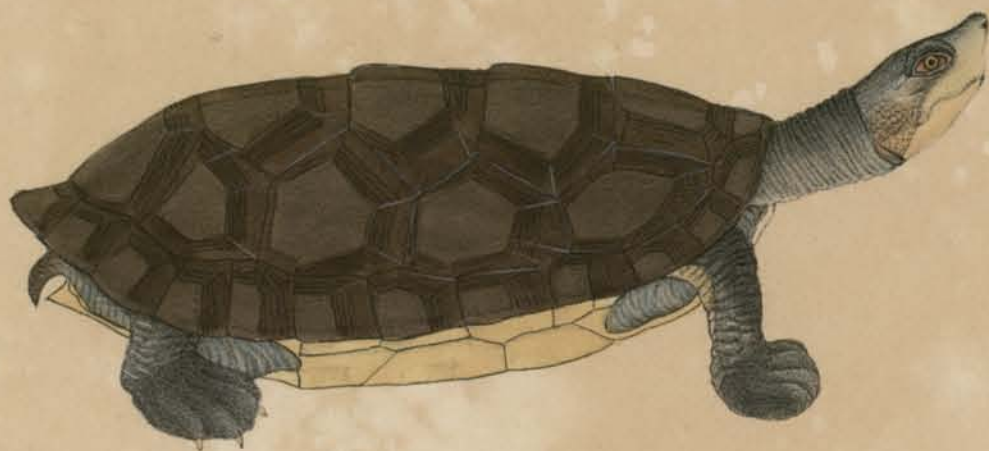
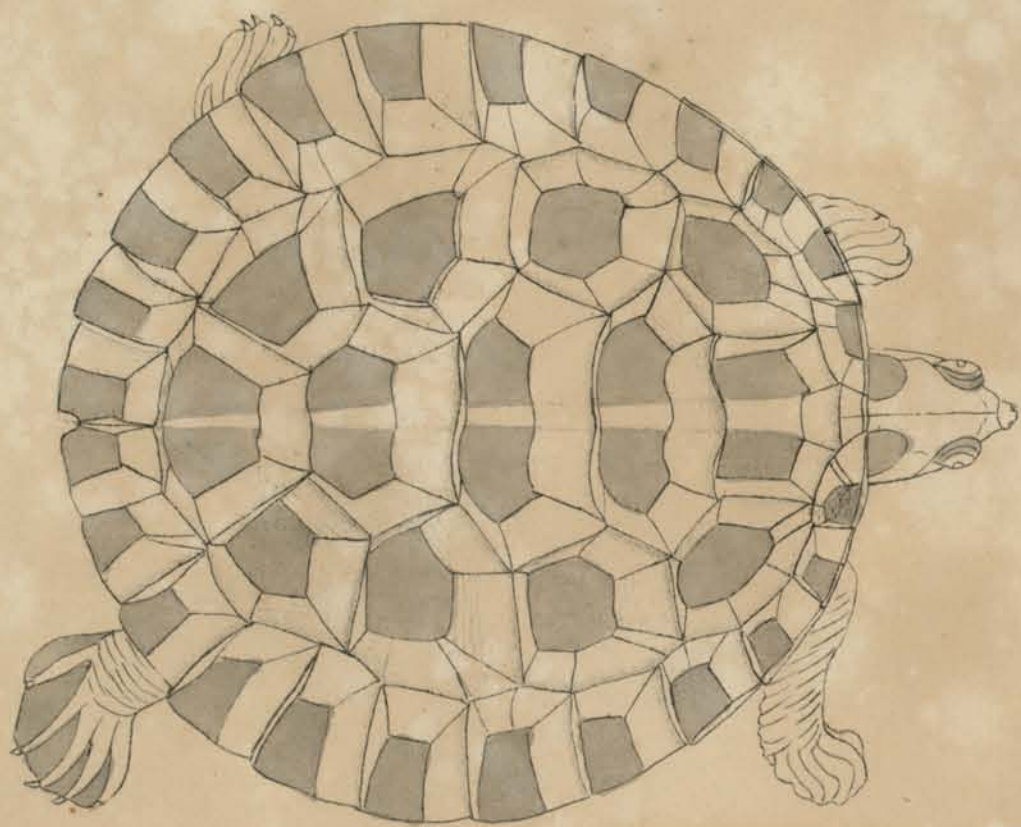
Printed by W. Day.



B.W. Hawkins. lith.

KACHUGA TERRAPIN. EMYS KACHUGA.
From Dr Buchanan Hamiltons. Drawings.
India.

Published by Thos. Agnew & Sons, 10, Abchurch Lane, London, E.C. 4.
Printed by W. Day.

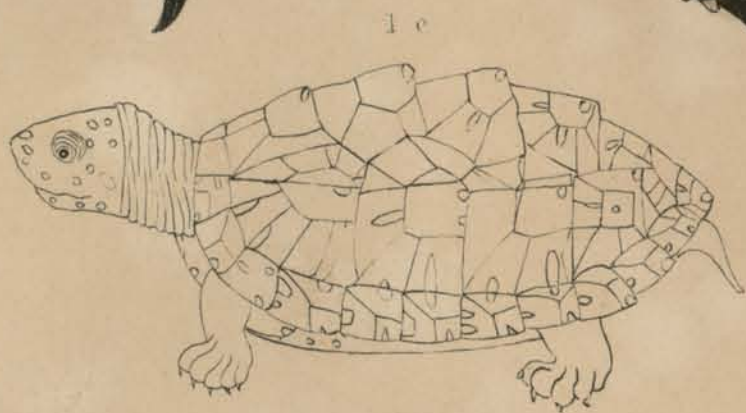


Morley del

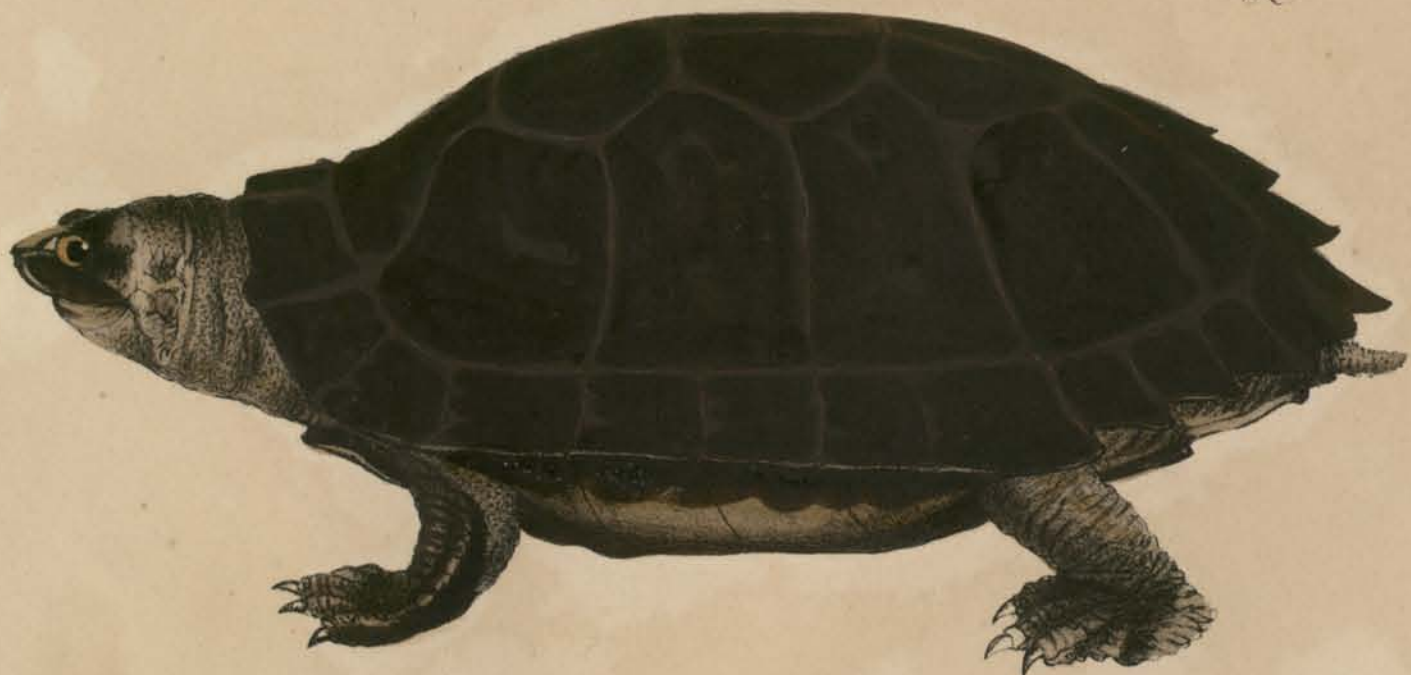
BASKA TERRAPIN. n. EMYS BASKA. n.

From Dr Buchanan Hamilton's Drawing.

Published by Perkins Allen & Co. Leadenhall St.
Printed by W. Day.

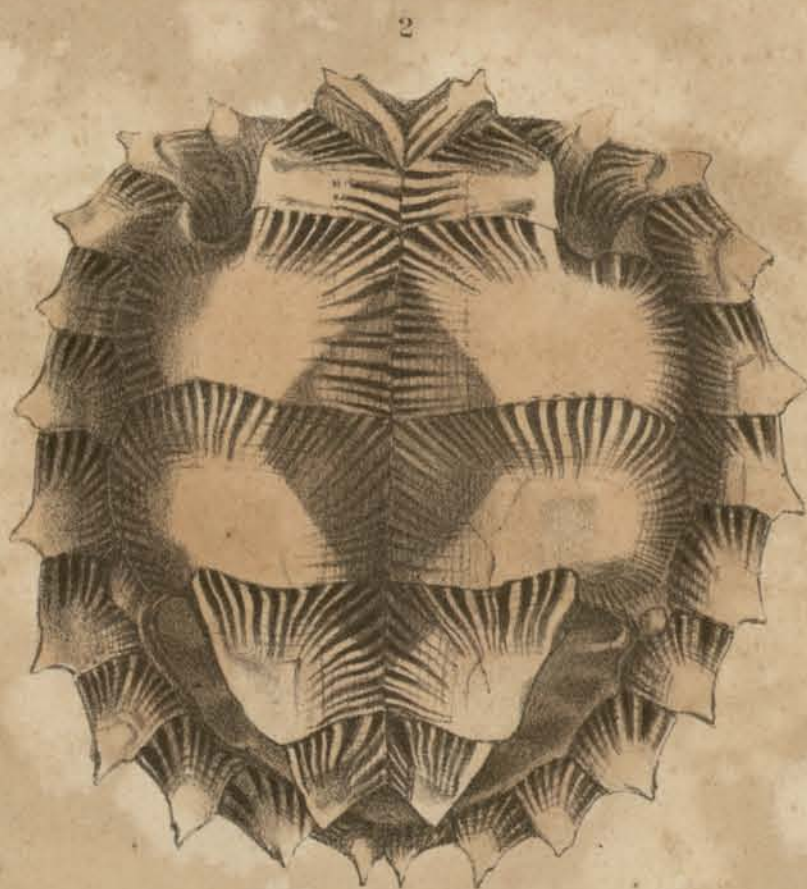


2 a



1.....SPOTTED TERRAPIN. *EMYS GUTTATA* n.
 From D^r Buchanan Hamiltons Drawings.
 2.....THICKNECKED TERRAPIN. *EMYS CRASSICOLLIS* Bell M^s
 Mus D Bell

Published by Messrs Treutzel Wirtz & Co Soho Square
 Printed by W Day



1 . 2
EMYS SPINOSÆ. Bell. Penang.

3 . 4
CISTUDA AMBOINENSIS. Amboina. - Nat. Size

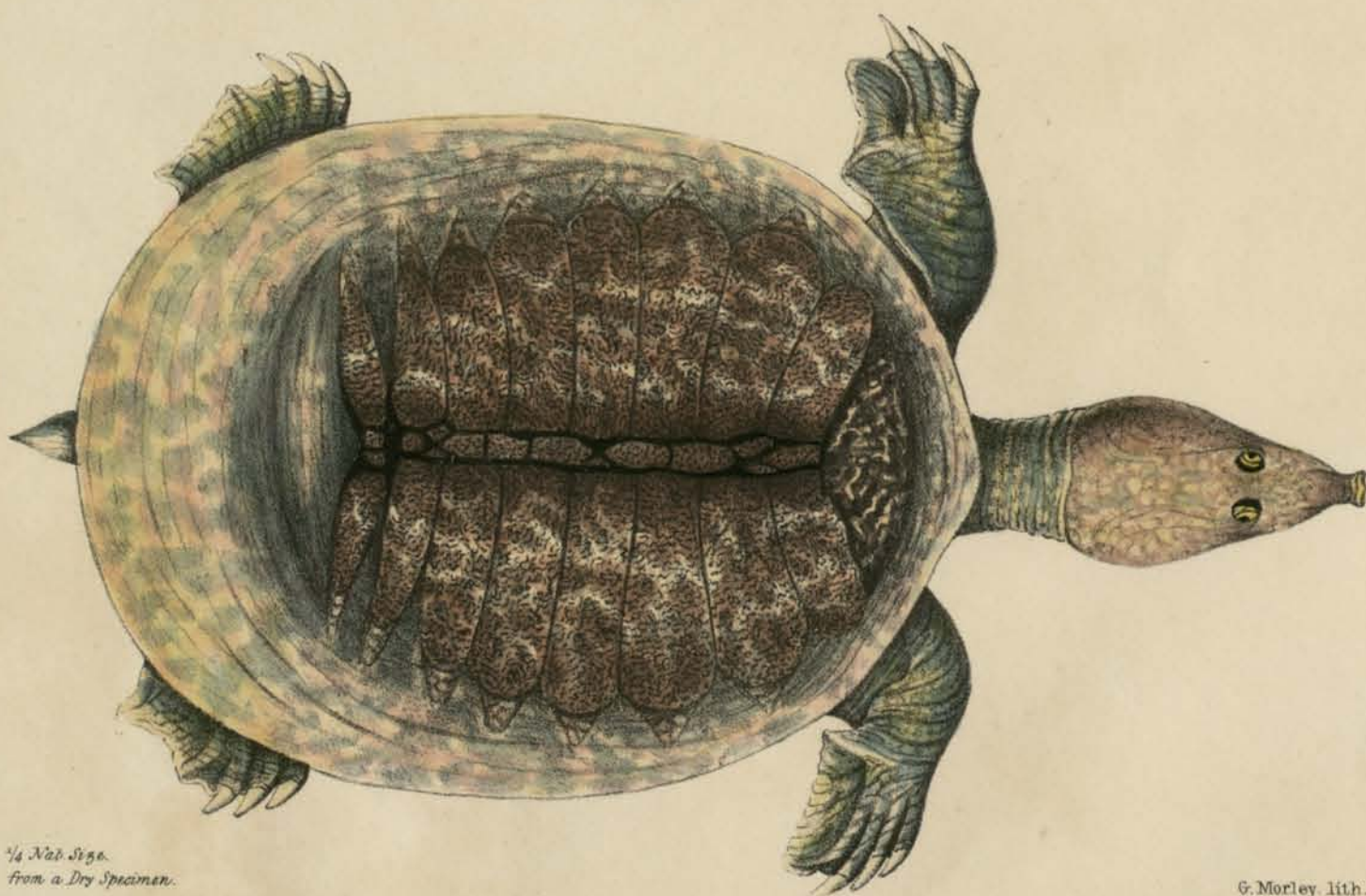


W. B. Hawkins lithog.

TRIONYX OCCELLATUS. N. EYED TRIONIX.

From D^r Buchanan Hamilton's Drawings.
India.

Published 1829 by Furbury Allen & Co. Leadenhall Street.
Day, lithog. 17 Gate St.

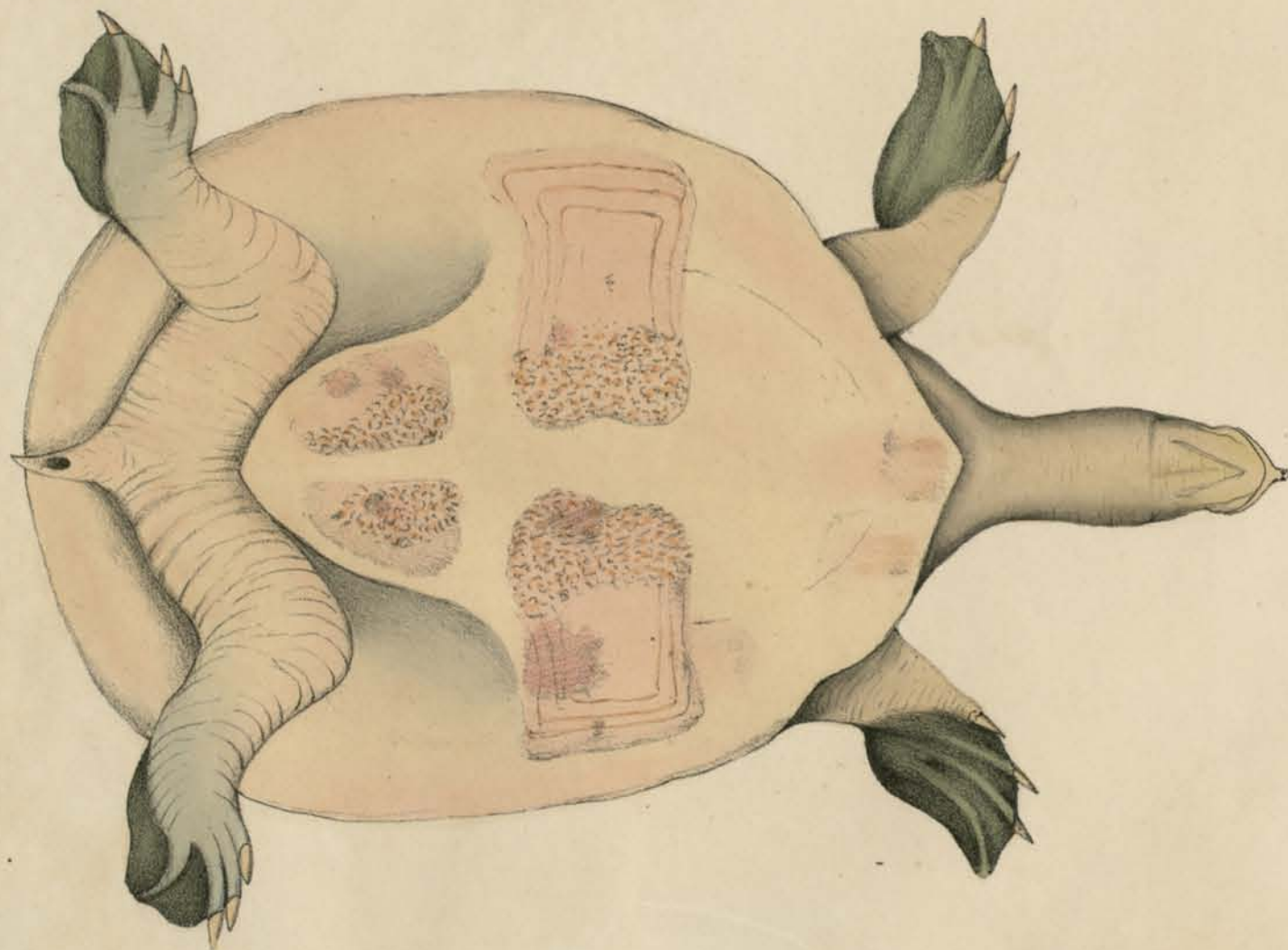
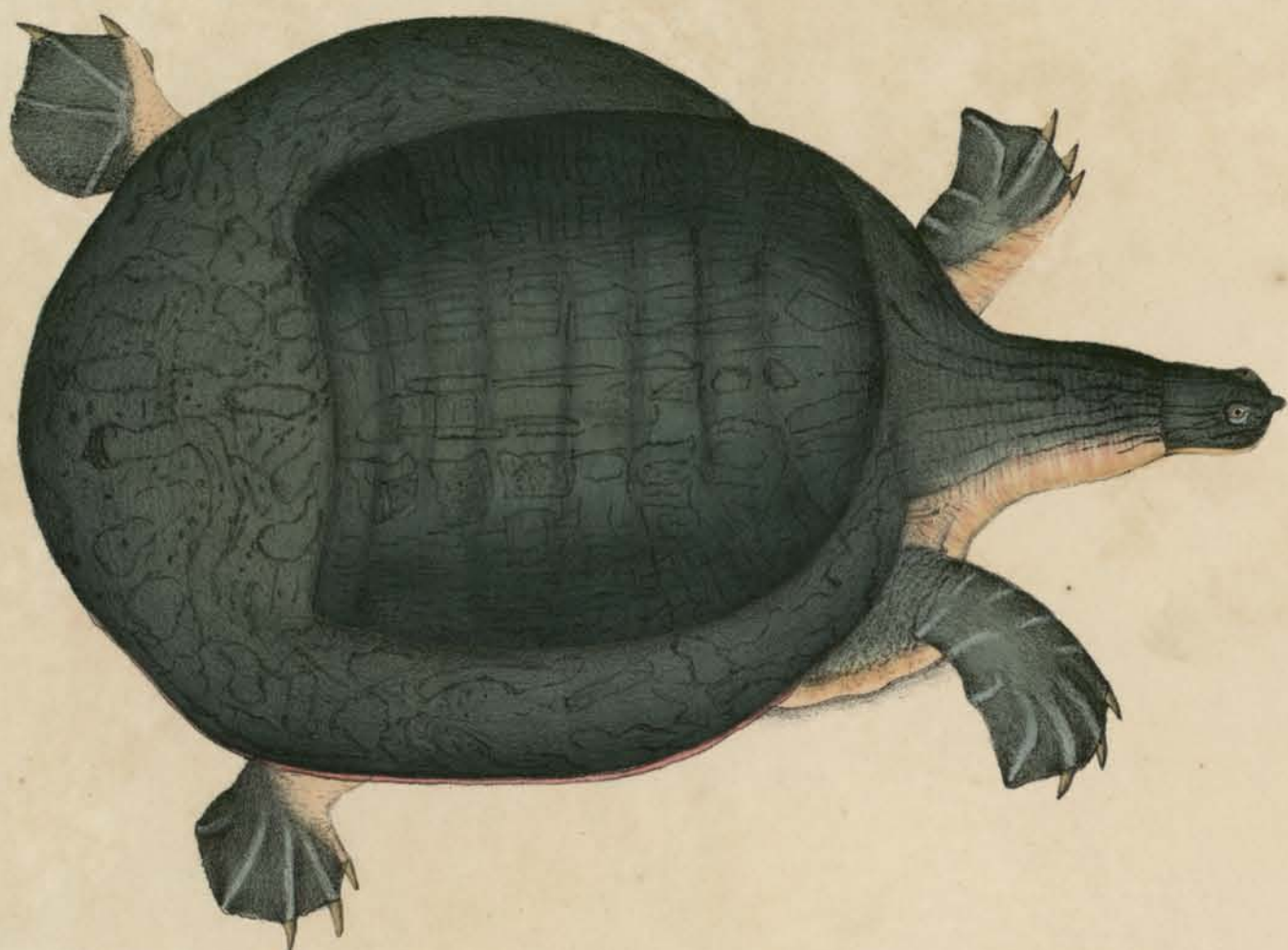


*1/4 Nat. Size.
From a Dry Specimen.*

G. Morley. lith.

TRIONYX SUBPLANUS. Geoff. FLAT TRIONYX.
India.

*Published 1829 by Parbury Allen, & Co. Leadenhall Street,
Printed by W. Day, 17, Gate Street.*



TRIONYX AEGYPTIACUS. Var. Indica. n. EGYPTIAN TRIONYX. Indian. Var.
Ganges, called Sewteree, sometimes grows to 240 lbs.

*Published 1829 by Parbury Allen & Co. Leadenhall Street.
Printed by W. Day 17 Gate Street.*



H. W. Hawkins del.

Printed by Engdmarck F.G.

TRIONOCEPHALUS PURPUREO MACULATUS. n. BLUE SPOTTED COPIAS.
SINGAPORE.

London. Published June 1. 1829. by Barbary, Allen & Co. Ludenhall St.



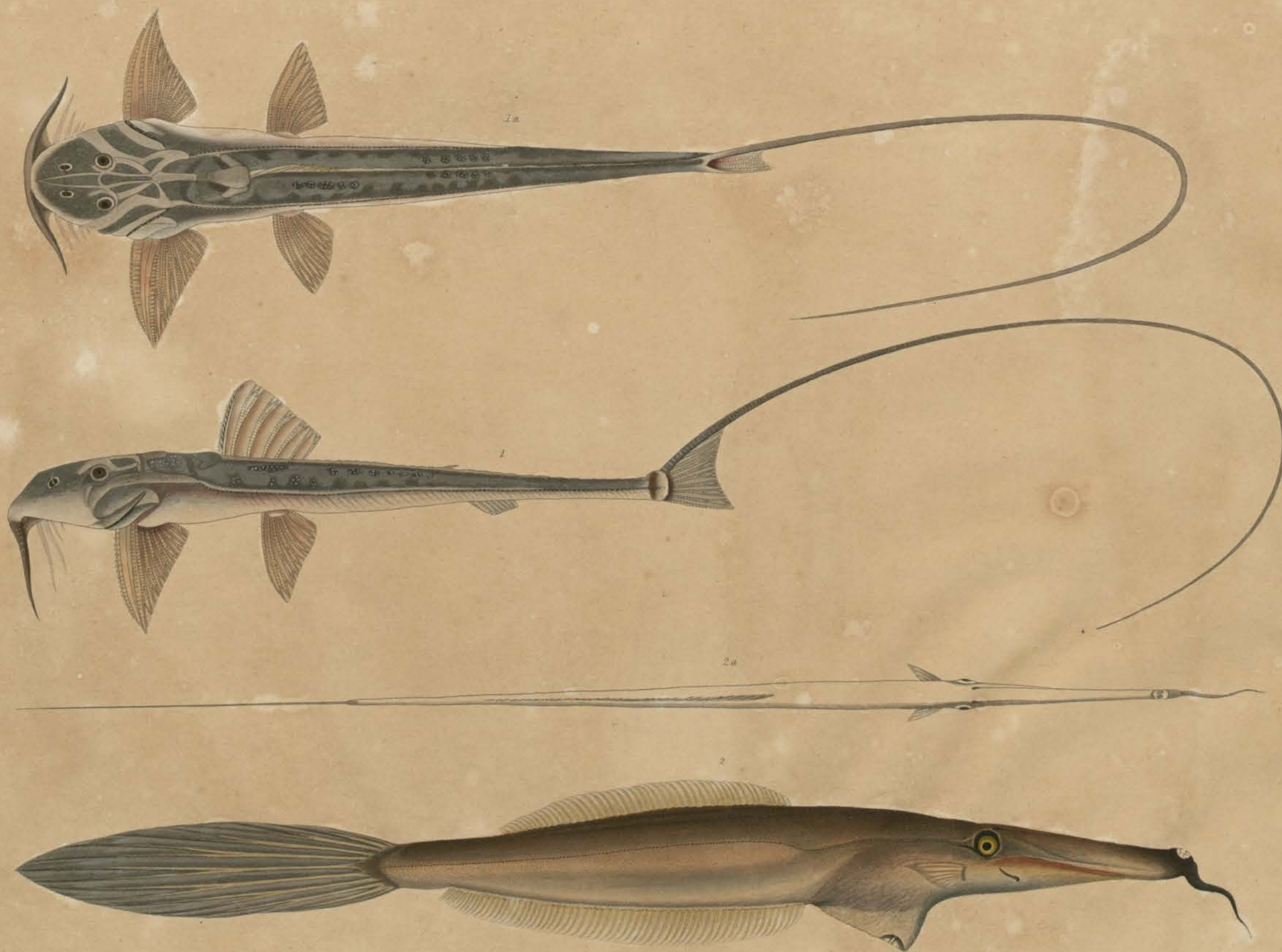
1, 1a. *HYLA MACULATA*, n. SPOTTED TREE FROG.
BENGAL.

2, 2a *RANA BENGALENSIS*, n. BENGAL FROG.
BENGAL.



BUFO CARINATUS n. KEELED NOSED TOAD
BENGAL.

BUFO DUBIA n. DOUBTFUL TOAD. Shaw.
BENGAL.



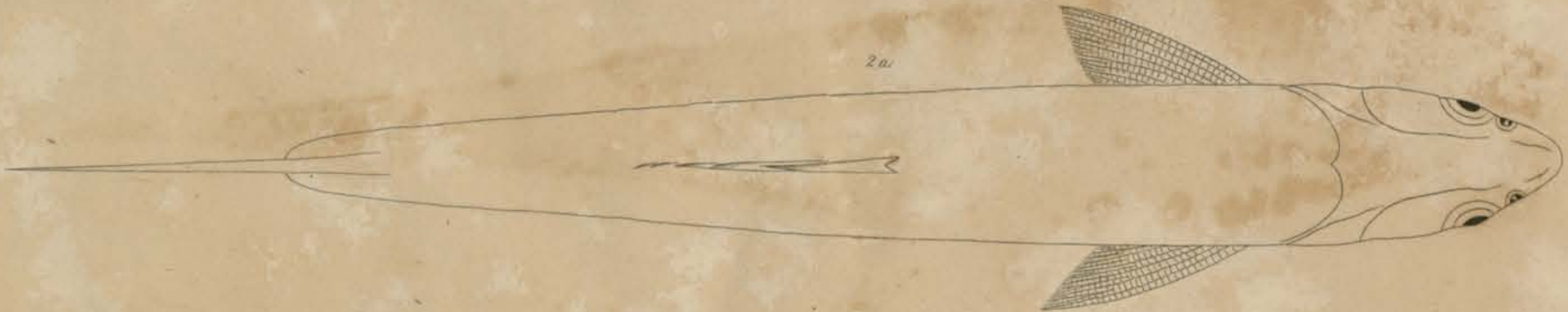
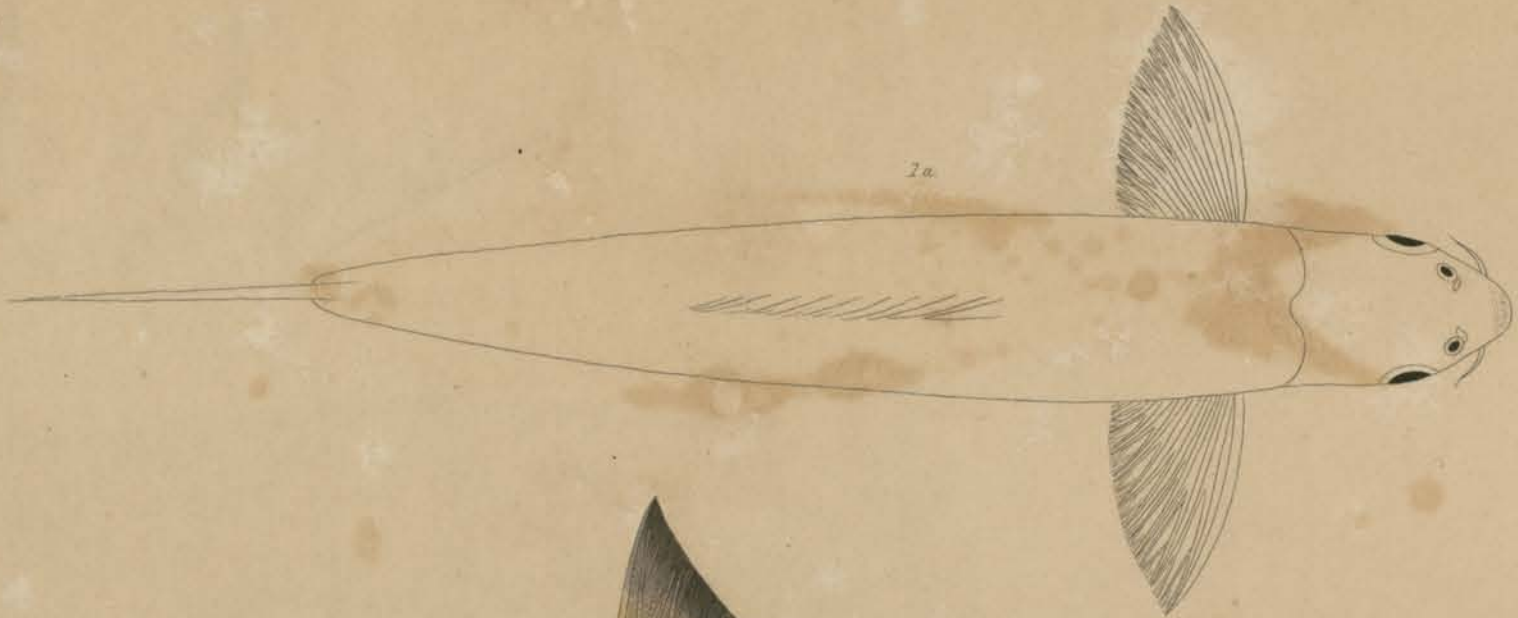
1. *Sisor Rabdophorus* Hamilton. Janna 1/6 nat. size
2. *Balistix/Anacanthus* barbatus. n. Singapore nat. size

Engraved by J. Leach



1. *Silurus* / *Acanthonotus* / *Cuvieri* n. nat. size.
 2. *Melopterus* / *Ailia* / *Bengalensis* n. Rivers Bengal. nat. size.
 3. *Engraulis* / *Cottus* / *Hamiltoni* n. Rivers Bengal. nat. size.

Engraved by J. Swain.



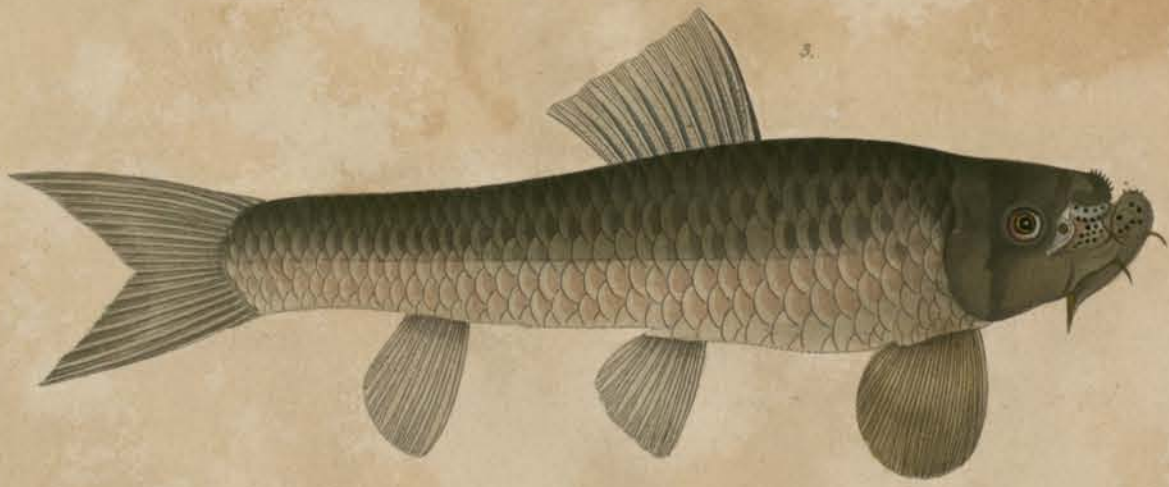
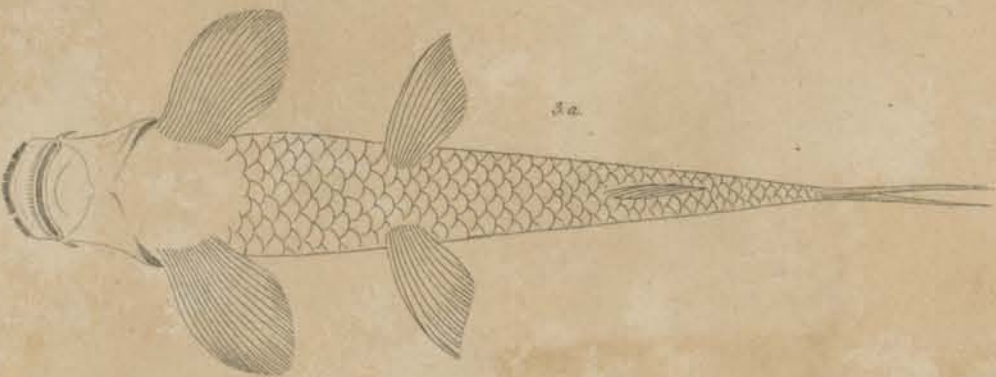
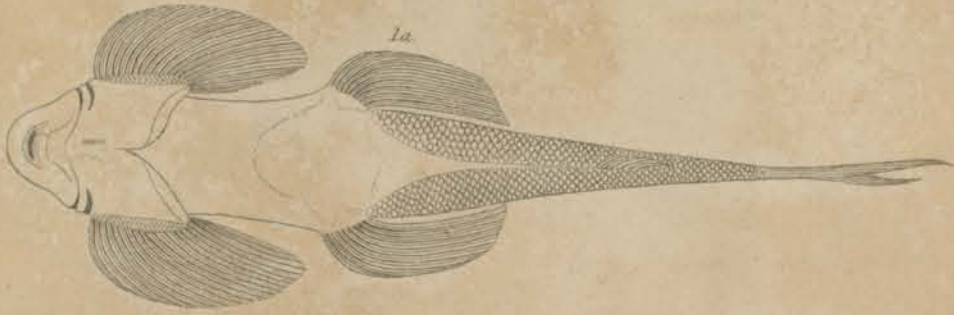
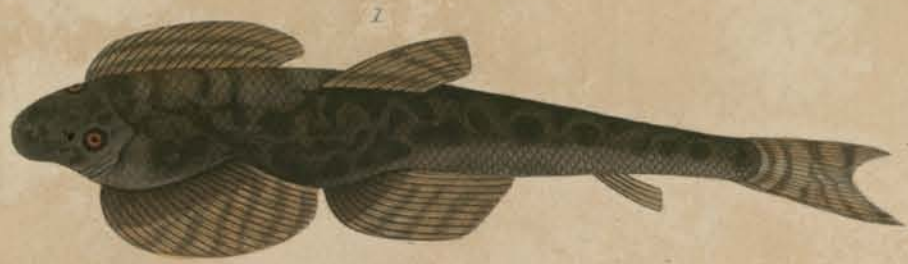
1 Cyprinus (Bangana) Hamiltoni, Gray, nat. size.
2 Cyprinus (Leuciscus) Gohar Hamilton, nat. size, Kosi & Sen River.

Engraved by J. Swainson.



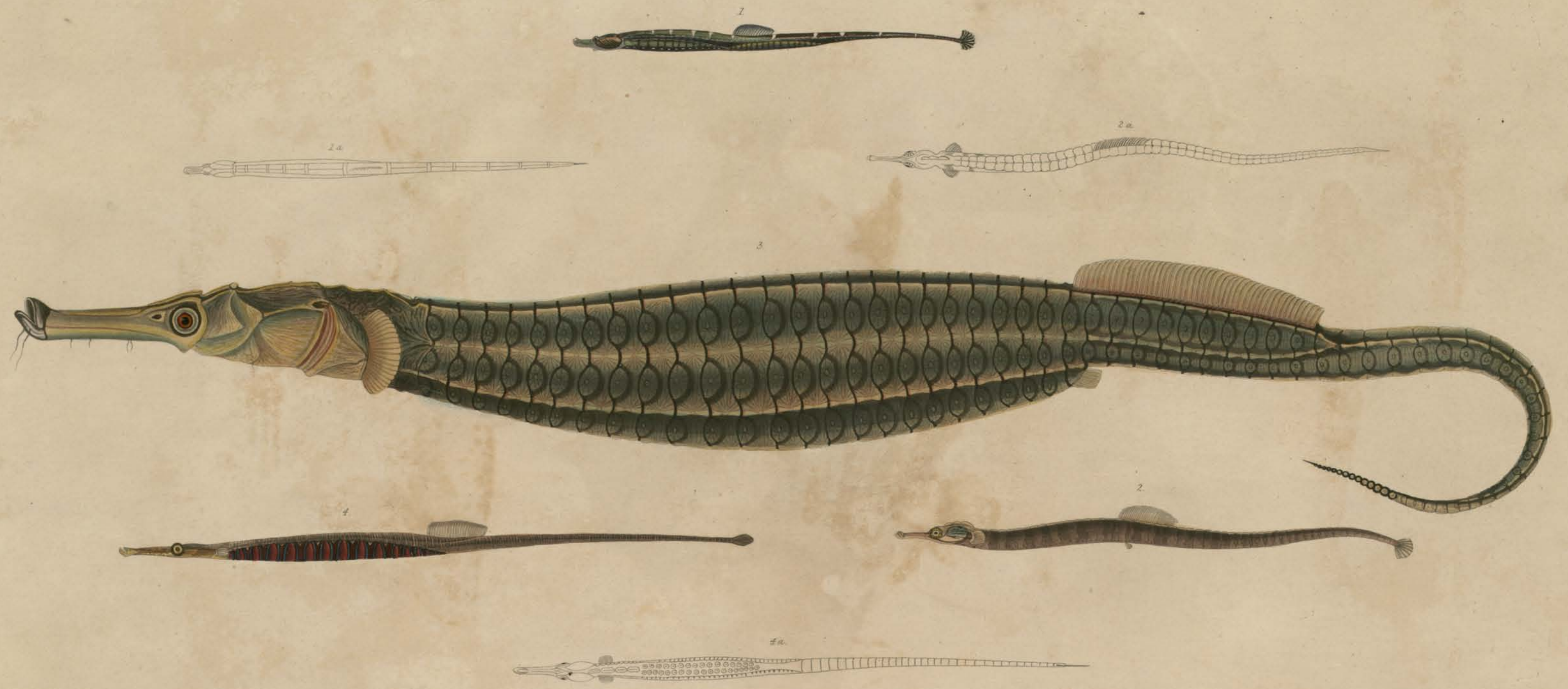
1. *Diplopterus pulcher* Gray nat size.
2. *Tetraodon lineatus* Gray Indian Ocean nat size.
3. *Cyprinus carpio* Cheira Hamilton Rivers of Bengal nat size.

Engraved by J. G. Smith



1. *Balitora Brucei*. Gray Mountain Stream, India.
2. *Balitora maculata*. Gray Mountain Stream, India.
3. *Cyprinus Goleya*. n. Mountain Stream, India.

Engraved by J. Swaine

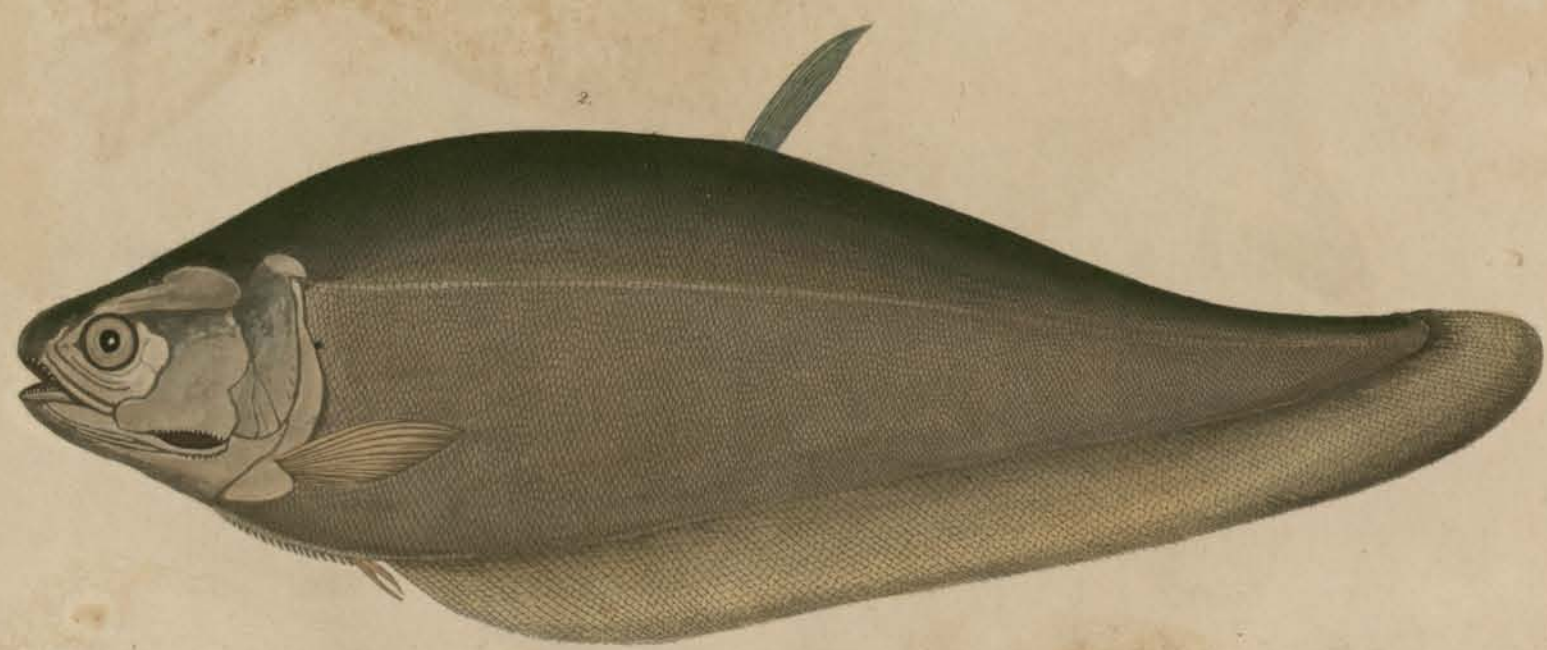
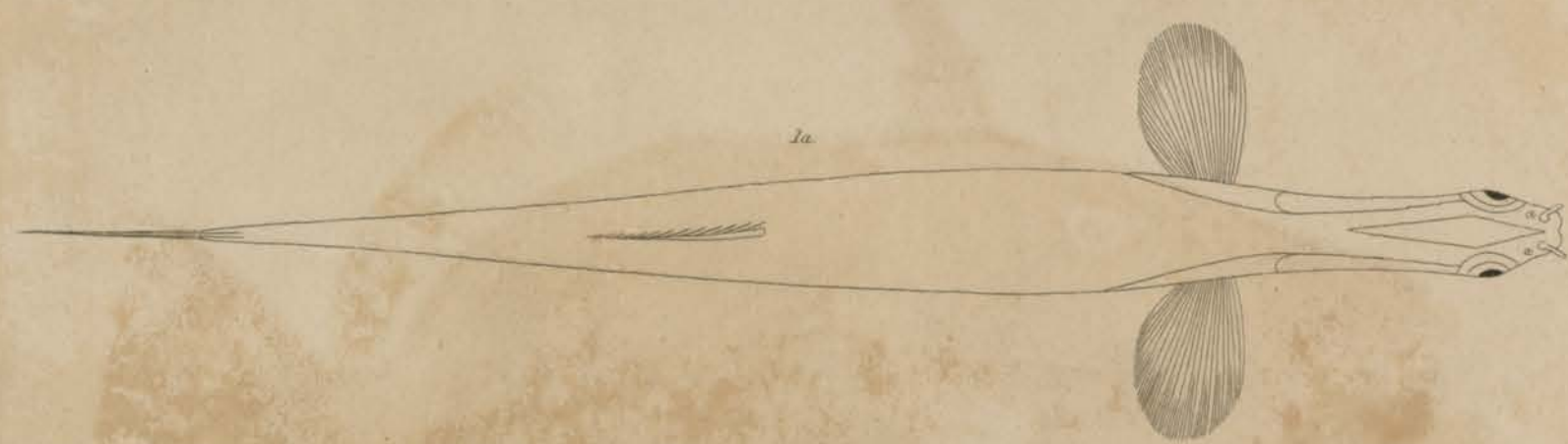
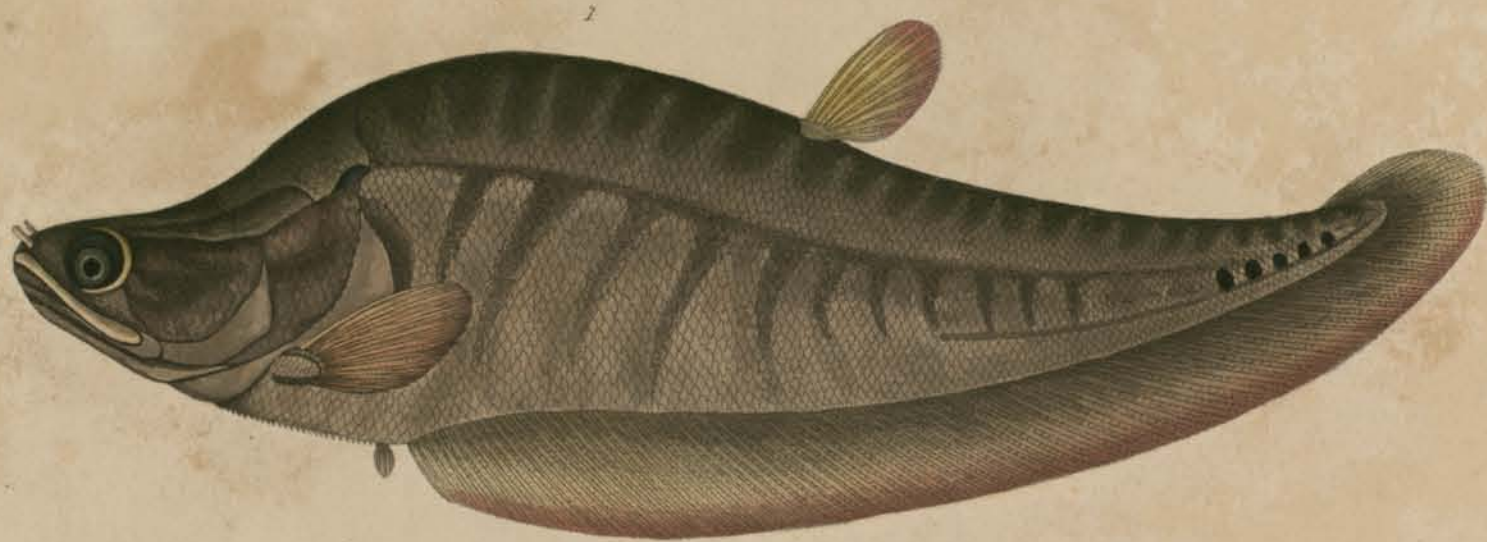


- 1. *Sygnathus Carce* Hamilton.
- 2. *Sygnathus fasciatus* n. Ambryna.
- 3. *Sygnathus Hardwickii* n. India.
- 4. *Sygnathus Doekhala* Hamilton. Salt Water Lake, Bengal.

Engraved by J. Swaine

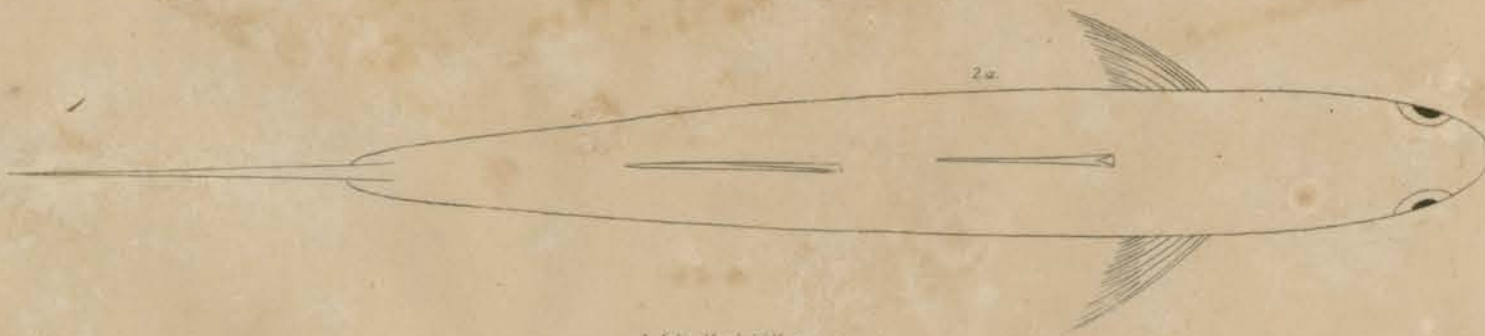
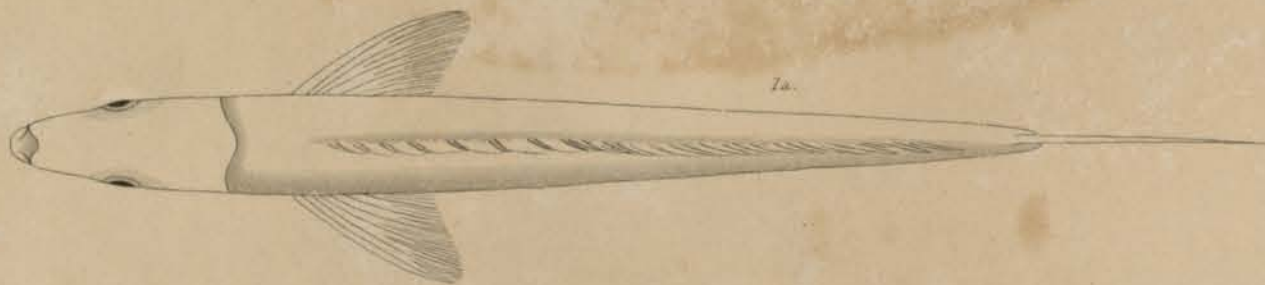


1. *Ballistes oculatus* n.
2. *Amblocheilus* n.
3. *Gubarmatus* n.



Engraved by J. Swaine

1. *Mystus Chitula* Ham.
2. *Mystus Karipat* n.



1. *Surplus Hardwickei* n.
2. *Surplus Hardwickei* n.



1. *Cyprinus Mossal* Hamilt.
2. *Morala* Hamilt.

Hamilt. sculp. & col.



1 *Cyprinus Tilo*, Hamn 276.

2 ——— *Richardsoni* Gray.

3 *Betia grandis*, Gray, Almorah, Birt mus.



1. OPHISURUS BORO. Hamilton Mss.

2. OPHISURUS HURANCHA. Hamilton.

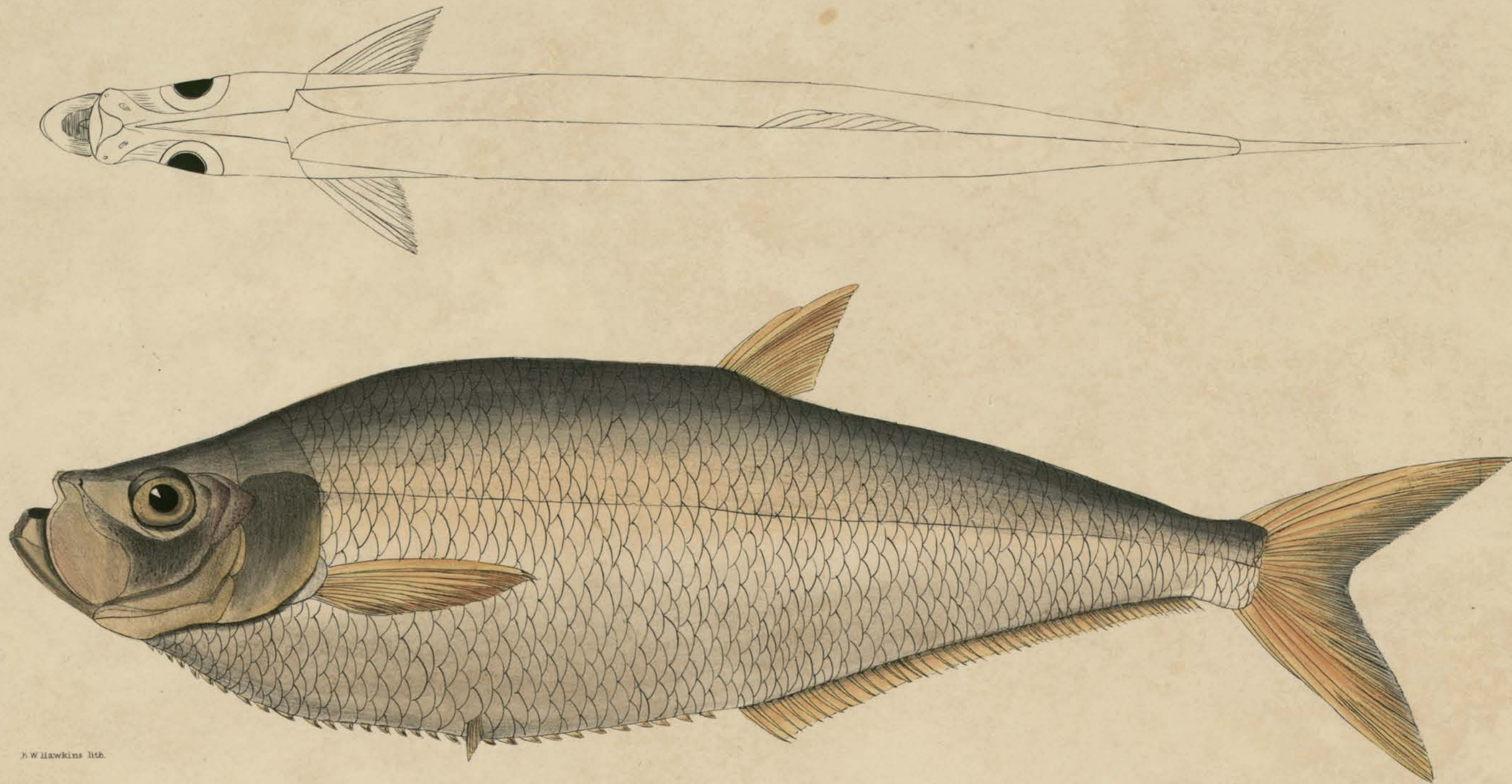
3. MURAENA BENGALENSIS. n.

3. MORINGUA LINEARIS. n.

4. RATABOURA HARDWICKII. n.

London. Pub. by Trudell, Wertz & Co. Soho Square.

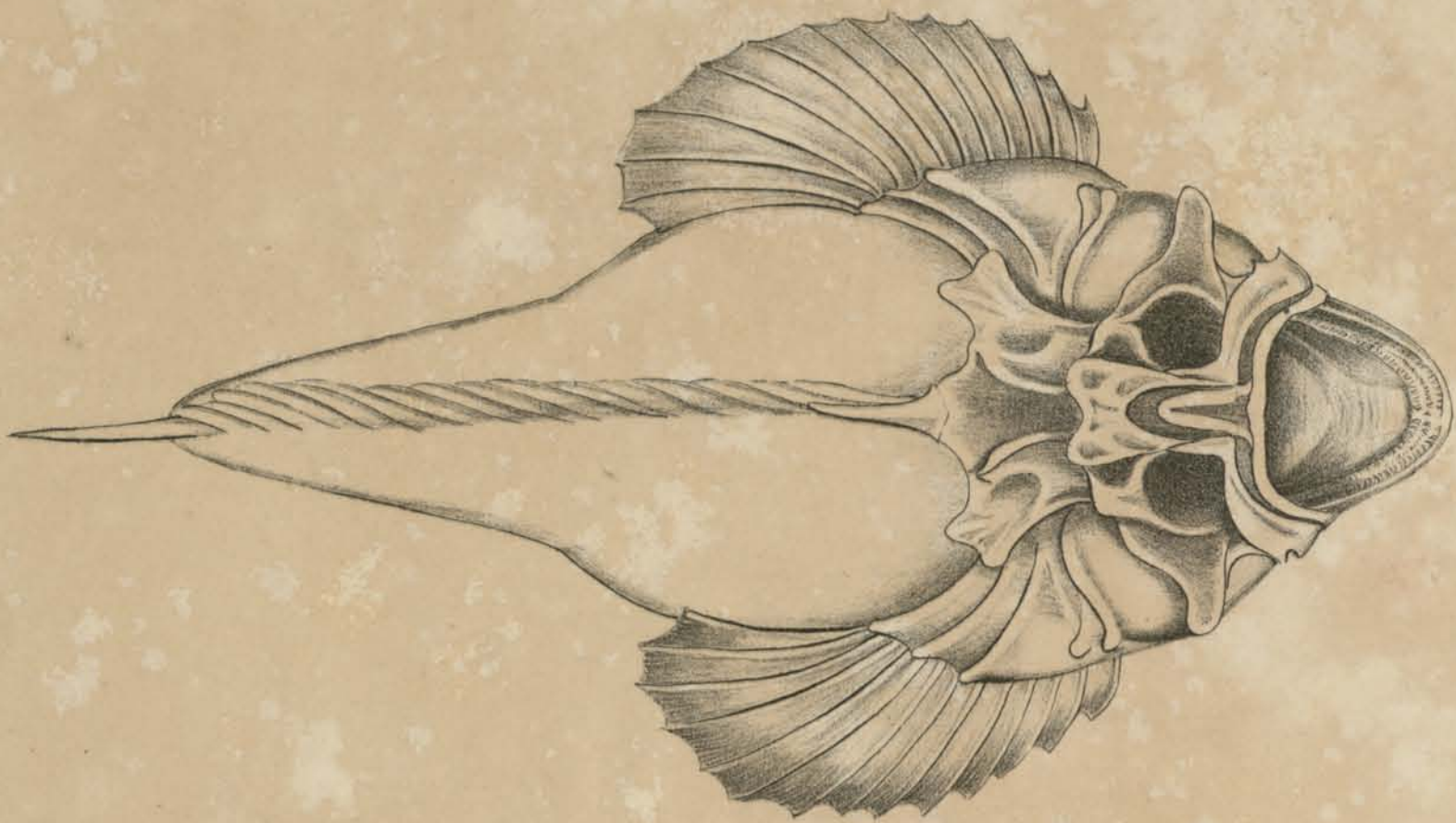
BW. Hawkins lith.



J. W. Hawkins lith.

CLUPEA AFFINIS n ALLIED HERRING.
Penang.

Published 1829 by Parbury Allen & Co. Leadenhall Str. London.
Printed by W. Day 17 Gate Str.



B. W. Hawkins lith.

DEFORMED HOG FISH. *SYNANCEIA GROSSA*.
Singapore.

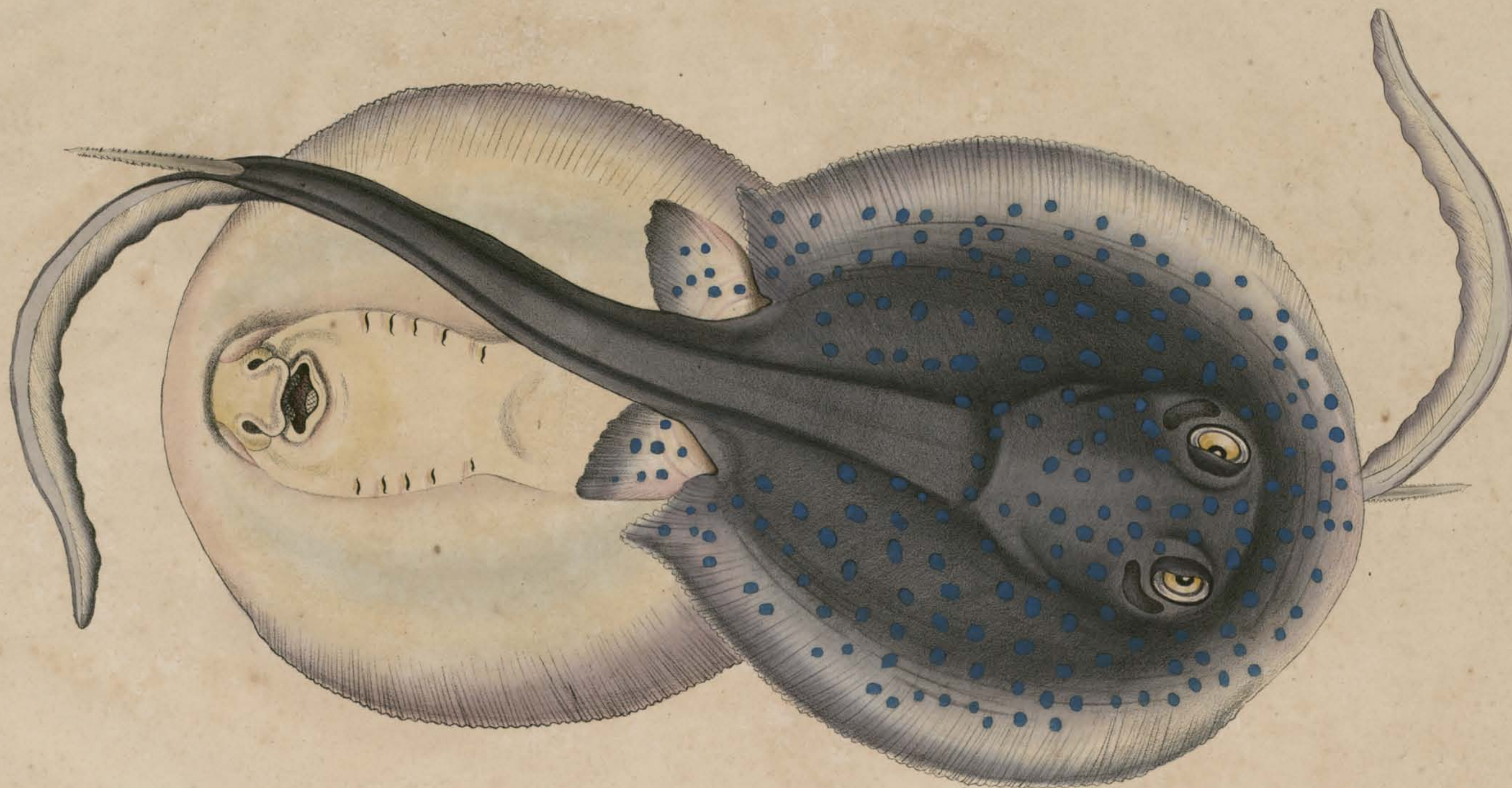
Published by Surrury Allen & Co. Leadenhall Street.
Printed by W. Day.



B.W. Hawkins, lith.

- 1.....SCYLLUM MACULATUM, n SPOTTED BEARDED SHARK. India Mus Brit.
 2.....SCYLLUM ORNATUM, n ORNAMENTED BEARDED SHARK. China Mus Brit.

Published by Furbury Allen, & Co. Leadenhall Street.
 Printed by W. Day



B.W. Hawkins lithog.

Printed by W. Day.

TRYGON ORNATUS. n.

Singapore

Published 1829 by Parbury Allen & Co. Leadenhall Street.



B.W. Hawkins lith.

1. 2. AMMONITES NEPAULENSIS. n.
 3. WALLICHII. n.
 4. TENUISTNATA. n.

All from Sulgrances Nepaul.

Published 1829 by Parbury, Allen & Co. Leadenhall Str. London.
 Printed by W. Day 17 Gate Str.